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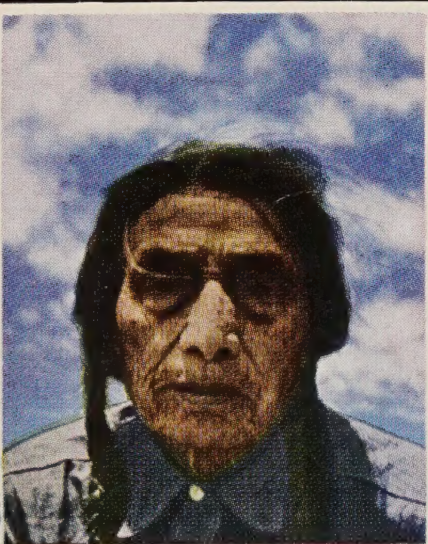
62.65
1883-67th Annual Catalog-1950

OSCAR H. WILL & CO.

BISMARCK, NORTH DAKOTA



**PIONEER SEED
HOUSE NURSERY &
GREENHOUSES OF
THE NORTHWEST**



CROW'S HEART
Oldest living Mandan
Corn Grower



PIONEER HYBRID N

SEED CORN SPECIALISTS



**PIONEER
HYBRID A**

Drouth Resistant—Cold Resistant—Early PIONEER HYBRID SEED CORN

Bred from hardy acclimated strains for Northern Great Plains conditions.

Our Hybrids are especially bred over a period of many years for Northern Great Plains conditions.

Earliest, hardiest, most drouth resistant of all hybrids, they combine all the special adaptations of the native varieties introduced by us.

See pages 47 and 48 for Reduced Hybrid Prices. }



**PIONEER
HYBRID J**



**PIONEER
HYBRID N**

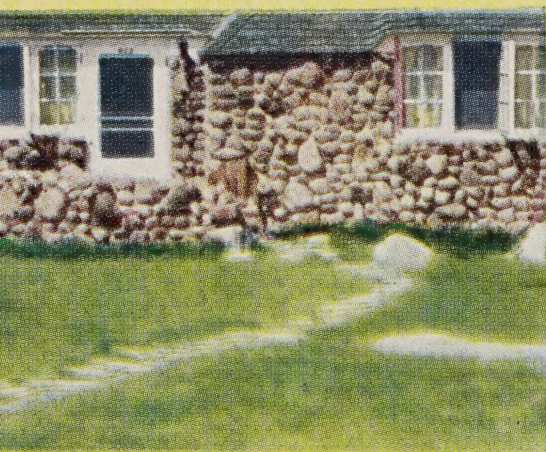
*Outstanding in Montana and
Western Dakota*



NODAK 301



**PIONEER
HYBRID D**



BUFFALO GRASS LAWN

Price per 100 plants, 65c; postpaid, 75c.

ELKHORN STRAIN

Per 100, 75c.



Montana Progressive Everbearing

Best of all hardy everbearers,
originated at Bozeman.
Postpaid, 25 for \$1.25.



GRANITE STATE MUSKMELON

A New Introduction from Dr. Yeager.
Postpaid, pkt., 15c; oz., 35c.



Hardy Cheyenne June Bearing

Hardest of strawberries.
Postpaid, 25 for \$1.50.



HARDY TIGER LILIES

Bloom in July.
Postpaid, each, 45c; doz., \$4.50.



RUDDY RASPBERRY

Heaviest Yields—Hardest.
Doz. postpaid, \$2.25.

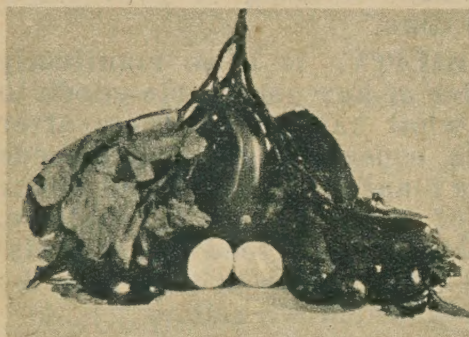
HARDY & EARLY SPECIALTIES FOR THE NORTHERN PLAINS



N. H. Midget

F. Yeager at the New Hampshire State Experiment Station. Postpaid: Pkt., 15c; 2 pkts., 25c.

NEW KOREAN EGGPLANT. Earliest we have ever grown and very prolific. Quality excellent and early enough to ripen lots of fruit. Sent over from Korea by Dr. Meader, now at the New Hampshire State University. Postpaid: Pkt., 20c; 2 pkts., 35c.



Korean Eggplant

Yeager at the New Hampshire Experiment Station. Beautiful, large and delicious. Extremely hardy. Each, 50c; doz., \$5.00. Postpaid: Each, 55c; doz., \$5.50.

PYRUS BACCATA. Siberian Cherry Apple. Beautiful in flower and equally so when in fruit. Exceedingly hardy, fine for jelly and one of our best ornamentals. Fine food for Game Birds. 3 to 4 ft. Each, 75c; 10 @ 65c.



Sunhybrid

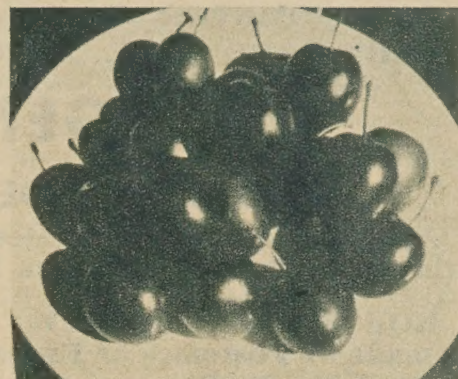
and very heavy yielding variety with considerable smut resistance. Pkt., 10c; ¼ lb., 26c; ½ lb., 47c; 1 lb., 78c, postpaid. Not prepaid: 5 lbs., \$3.00.

CASERTA SQUASH. New All-American Medal winner. Heavy yielder, early and of excellent quality. Compact bush type. Pkt., 10c; oz., 35c.



Caserta Squash

NEW HAMPSHIRE MIDGET WATER MELON. Another introduction from the laboratory of Dr. A. F. Yeager at the New Hampshire State Experiment Station. Postpaid: Pkt., 15c; 2 pkts., 25c.



Convoy Cherry

CONVOY CHERRY. A new and outstanding Cherry from Manitoba, a hundred miles north of the border. Tree-like with large bright red, delicious fruit. Excellent for sauce. Each, \$2.00; 5 @ \$1.90.

DURHAM FALL BEARING RASPBERRY. Developed by Dr. A. F.

Yeager at the New Hampshire Experiment Station. Beautiful, large and delicious. Extremely hardy. Each, 50c; doz., \$5.00. Postpaid: Each, 55c; doz., \$5.50.

NATIVE FLAME LILY. Perfectly hardy. Blooms in early July. Brilliant red in color. Profuse in bloom. Each, 35c; doz., \$3.50. Postpaid: Each, 40c; doz., \$4.00.

PIONEER SUNHYBRID. A large eared, medium early Sweet Hybrid, bred by us for hardiness and high quality. An unusually delicious

PIONEER HYBRID N SEED CORN. A handsome 85-day Yellow Dent and Falconer combination (see page 47). F.O.B. here, 1 bu., \$9.00.

CASERTA SQUASH. New All-American Medal winner. Heavy yielder, early and of excellent quality. Compact bush type. Pkt., 10c; oz., 35c.

CHEMICAL WEED KILLERS

Labor and Money Savers in All Phases of Agriculture
NEW IMPROVED WEEDONE. A 2-4-D and 2,4,5-T compound. Kills all weeds in lawns, grain and in any kind of grass planting also poison ivy and other woody weeds. F.O.B. Bismarck, 8 oz. can (for 1,000 sq. ft.), \$1.00; 1 qt. can (for 5,000 sq. ft.), \$2.75; 1 gallon can (for 20,000 sq. ft.), \$6.95; 5 gallon can, \$25.00.



Pyrus Baccata



Flame Lily

FREE**PREMIUMS**

With every order for vegetable and flower seeds of \$25.00 or more, for seed grain or nursery stock of \$50.00 or more we shall be glad to furnish on request two pairs of serviceable brown cloth gloves.

In place of the gloves, for those preferring it, we can send any one of the following items:

THERMOMETER. Outdoor wooden thermometer 12 in. long.

CORN HAND BOOK. All phases of corn growing described.

GENERAL INFORMATION**BE SURE TO ORDER EARLY AND AVOID DELAYS & DISAPPOINTMENTS**

All prices quoted are subject to change without notice. Any tax which may be imposed after the printing of this catalog upon items listed must be added by the customer to the quoted price.

HOW TO SEND MONEY. Remittance should be made by Postoffice or Express Money Order or by Bank Draft. Personal checks on banks are accepted, but customers must pay exchange and collection charge of 5 cents. U. S. stamps are accepted.

C.O.D. We fill C.O.D. orders only when 25% of the amount is sent. We do not accept any C.O.D. orders for perishable goods.

DELIVERY OF GOODS. Goods may be sent by mail, express or freight. Postpaid prices are quoted in most cases. Parcel Post rates are given so that customers can figure the amount necessary to add to freight prices when larger amounts are desired by mail. If you wish goods sent by mail be sure that you remit mail prices. The Parcel Post weight limit is 70 lbs. Weight limit for Parcel Post to Canada 15 lbs. at 14c per lb. There is no reduction on postpaid prices of packet and ounce goods if sent by express or freight.

EXPRESS AND FREIGHT. Quotation F. O. B. here means that we deliver the goods to the express or railway company. The purchaser pays all transportation charges on receipt of goods. On moderate sized orders we advise express shipment rather than freight. All prices are F. O. B. here unless quoted postpaid.

Upon delivery of goods to transportation company, a sale is completed. In event of loss or damage to goods in transit the purchaser must have notation of such loss placed upon his receipt, and may then file claim for loss at his station, or may send the necessary papers to us when we shall gladly enter claim for him, remitting to him as soon as the claim is paid.

Remember that our responsibility ceases on delivery in good order to the transportation company, and it is therefore imperative that every purchase be carefully examined for loss or damage before accepting it.

We do not guarantee replacement of goods sent by mail. An additional remittance of five cents will insure any mail package. We can not insure plants and nursery stock so there is no recourse in case of delay and injury when mailed.

PACKING. No charge is made for boxes, bags or wrapping for any goods offered in this catalog.

KEEP A COPY OF YOUR ORDER. Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with goods or notices sent.

MISTAKES. These will happen in spite of all care. Write us at once with copy of original order and order number, and mistake will be promptly rectified. Please do not return goods

until you hear from us.

Notify us if you hear nothing of your order within a reasonable time.

OUR RESPONSIBILITY. It is so manifestly impossible for a seller of any perishable goods to be responsible for what happens to them after they leave his hands, especially goods like seeds and plants which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to crop which may be raised from the seeds which we sell.

We wish it understood that all goods are sold under the following general non-warranty.

"Oscar H. Will & Company warrants to the extent of the purchase price that seeds, trees, plants and bulbs sold are as described on the container within recognized tolerances. Seller gives no other or further Warranty, expressed or implied."

However, we wish to call the attention of our customers to the fact that we make careful tests of all seeds in our stock and endeavor to see that nothing but goods of the very highest quality are sent out.

We urge most strongly that every bit of seed grain or seed corn received from us be tested. Should the test prove unsatisfactory or the goods not as represented we should be notified at once and an immediate adjustment will be made.

We do not guarantee nursery stock and plants after being taken from the express office, but are always willing to give attention to just claims for loss. We are also glad to enter claim for our customer if they furnish us with a transportation bill showing bad order of shipment on arrival.

PARCEL POST RATES**Limit of weight, 70 lbs.**

If You Do Not Know Which Zone Rate Applies, Consult Your Postmaster.

For Zones 1 and 2—One pound is 12c; 2 lbs., 14.1c. Add 2.1c per pound to 14.1c for each additional pound weight or fractional pound of the package up to 11 lbs., add 2c per lb. from 11 to 70 lbs.

Zone 3—One pound is 13c. For each additional pound add 3c up to 11 lbs., add 2.8c on 11 to 70 lbs.

Zone 4—One pound is 14c. For each additional pound add 4.5c up to 11 lbs., add 4.25c from 11 to 70 lbs.

Zone 5—One pound is 15c; add 6c per lb. up to 11 lbs.; add 5.5c on 11 to 70 lbs.

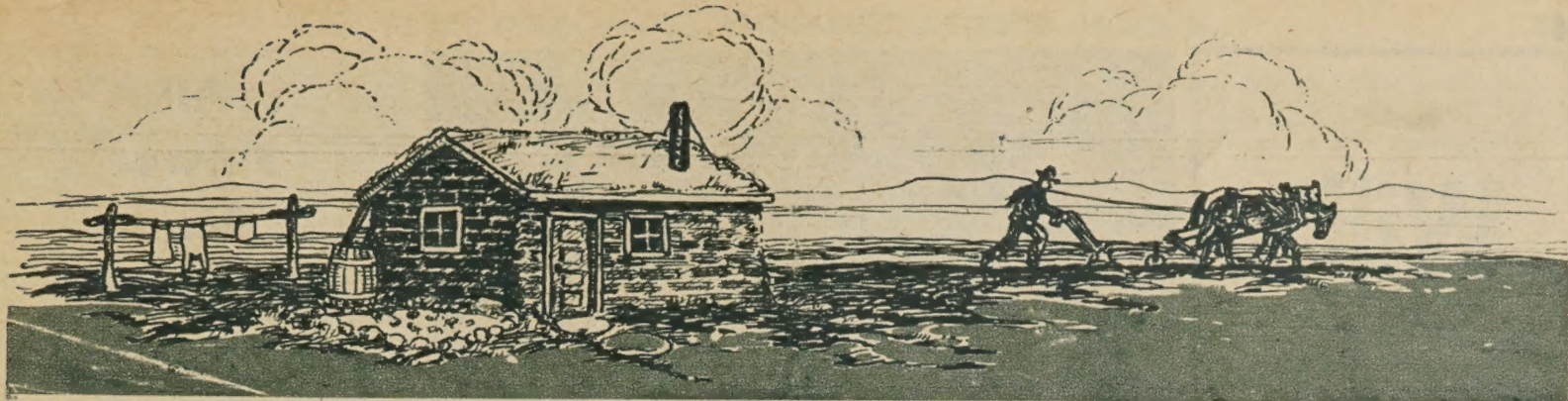
Zone 6—One pound is 16c; add 7.5c per lb. up to 11 lbs.; add 7.25c per lb., 11 to 70 lbs.

Zone 7—One pound is 17c; add 9.5c per lb. up to 11 lbs.; add 9.25c per lb., 11 to 70 lbs.

Zone 8—One pound is 18c; add 11.5c per lb. up to 11 lbs.; add 11.25c per lb., 11 to 70 lbs.

Eighth zone rate covers all Alaska parcels.

North Dakota residents must pay 2% sales tax except on seed and vegetable plants.



We are still prospering and at Peace and should all be duly thankful. We are afraid, however, that the time has come to settle down after riding the crest of the wave so long and to buckle down to work just as the old timer in the picture above is doing.

It is time again to get our farming back onto the safer basis of diversification, with livestock and poultry once more playing prominent parts in our plans.

A drought comparable to that of the thirties is most unlikely but dry weather may come any year, prices may sink as they have done before. Corn and livestock must assume a more important place in our plans and we must stop loafing and get back to work if we are to continue to prosper in the more competitive years before us. Meanwhile agriculture still serves as the foundation for all civilization and those concerned with it perform the most important service which can be rendered to mankind.

May the New Year be a prosperous, even though a challenging one, with all of you.

WILL'S PIONEER HYBRID CORN

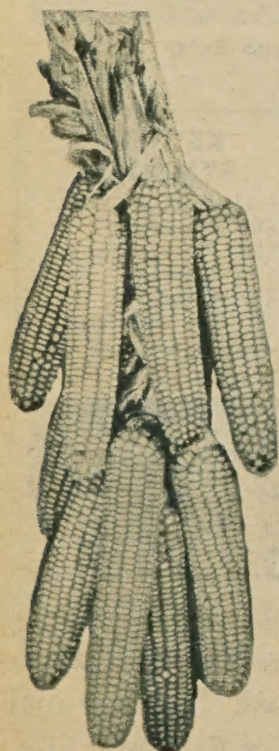
Bred for Short Seasons and Dry Weather

We notice in Hybrid trials that WILL'S PIONEER HYBRIDS during the past season have averaged well ahead of all eastern or southern Hybrids, many of which produced no crop at all.

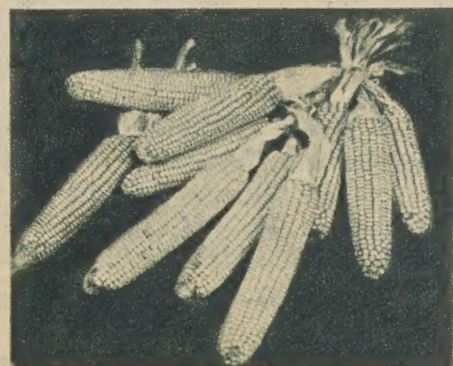
WILL'S PIONEER HYBRID "D"—A cross of half Falconer inbreds (picture on left) and **WILL'S PIONEER HYBRID "N,"** a similar combination, but a trifle taller and later, are both very heavy yielding and very easily picked with a mechanical picker. Will produce a crop where pure Dent Hybrids from other localities are failures.

Price F.O.B. Bismarck. 7 lbs. (enough for 1 acre), \$1.25; ½ bu., \$5.00; bu., \$9.00; larger lots @ \$8.75 per bu. for the large and medium flat.

Large and medium round and small flat, 7 lbs., \$1.00; ½ bu., \$3.25; bu., \$6.00.



Pioneer Hybrid D



Pioneer Hybrid N

Will's Flower Seed



All
Flower
Seed
Postpaid

←Border in garden
of Mrs. Peter Reid,
Bismarck.

\$1.00 Postpaid
for

WILL'S GLORIOUS FLOWER COLLECTION

11 Packets of Will's Annual Flower Seed for Cutting and Bedding with Cultural Directions and Plan for Bed Planting. This includes the new 1950 All American selection, **FIRE CHIEF PETUNIA**. \$1.00 for the Collection. See Inside Back Cover for list of packets and picture.

AGERATUM—Blue Perfection (A). One of the best border and bedding plants, 10 inches tall, quick growing and flowering freely from early summer to frost. Pkt., 10c; 1/4 oz., 45c.



Antirrhinum—Snapdragon

ALYSSUM (A). One of the finest annuals we have for edging. Compact plants, six inches high, completely covered with bloom throughout the season.

LITTLE GEM. Honey scented white blooms. Pkt., 10c; 1/4 oz., 25c; oz., 70c.

VIOLET QUEEN. Deep lavender lilac blossoms. Pkt., 10c; 1/4 oz., 35c.

ANTIRRHINUM— SNAPDRAGON

University of California De Luxe Mixture Major. (A*). Rust resistant. Can be sown outdoors with good results, but for early blooming should be started inside. Splendid for cutting, our mixture is unexcelled. Pkt., 15c; 1/4 oz., 40c.

TETRAPLOID SUPERFINE MIXTURE. The most satisfactory outdoor Snapdragon. The plants are tall, husky and erect with huge ruffled florets and long spikes, with full range of color and bi-color. Pkt., 20c; 2 pkts., 35c; 1/16 oz., 70c.

ASTERS. The old favorite China Aster brought up to date. (A*).



Improved Crego Aster

IMPROVED CREGO—WILT RESISTANT. A beautiful mid-season sort, growing 2 feet tall, with large blooms borne on long stems. **CRIMSON, WHITE, AZURE BLUE and MIXED.** Pkt., 10c; 1/4 oz., 50c. One packet each of the three straight colors, 25c.

IMBRICATED POMPON—FINEST MIXED. Mid-August flowering, upright 12 to 14 inch plants, bearing small round cushioned flowers, excellent for cutting and popular with florists. Pkt., 20c; 1/4 oz., \$1.00.

1/8 Ounce may be had at 1/4 Ounce Rate

Customers living in North Dakota must add two per cent for sales tax to their remittances for nursery stock, decorative greenhouse stock, insecticides, feeds, fertilizers, tools and supplies. This tax does not apply to seeds, onion plants or vegetable plants.

**KEY TO
SYMBOLS**
(A) Annuals.
(B) Biennials.
(P) Perennials.
(T) Tender.
(C) Climbers.
* For cutting.

Gerniaco

TWIST-EMS


help you support plants
quickly, neatly,
permanently!

25¢

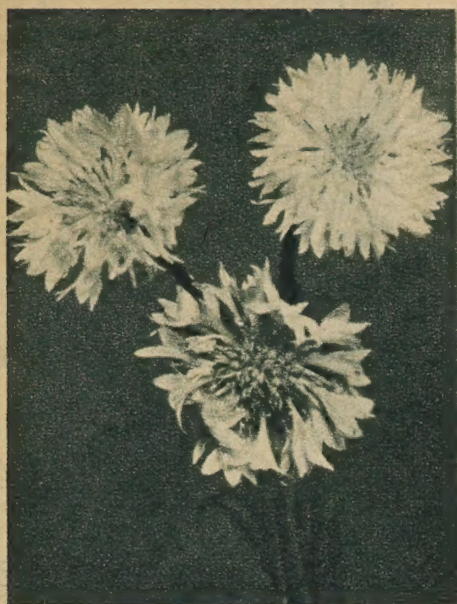


Box of 250—Twistems (4 inches long), 25c, Postpaid.
Box of 125—Twistems (8 inches long), 25c, Postpaid.

TRAIN-ETTS



TRAIN-ETTS. Weatherized Trellis Netting. Fine for Sweet Peas, Vines, Tomatoes, etc. Do not rot; last for several seasons. Easily hung. 5 x 6 feet, 65c, postpaid.



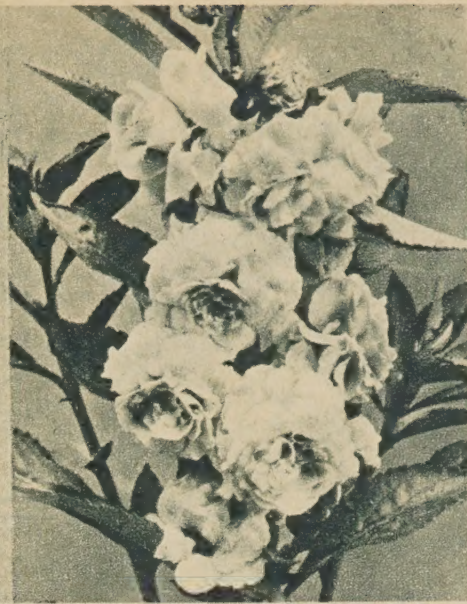
Bachelor's Button

Bachelor's Button (A*)

CORN FLOWER—CENTAUREA CYANUS. Easy to grow and blooms continuously. One of the most attractive hardy annuals.

DOUBLE BLUE, RED BOY and SNOW MAN. Each, Pkt., 10c; $\frac{1}{4}$ oz., 35c; oz., 80c. Three packets, one of each color, 25c.

DOUBLE MIXED. Pkt., 10c; $\frac{1}{4}$ oz., 30c.



Double Camellia-Flowered Balsam

BALSAM. Double Camellia Flowered Mixed. (A). An old favorite, the bushy plants develop rapidly and the double flowers cluster showily along the main stalk. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

Rose or Gardenia Flowered. Also known as Bush Balsam. An attractive dwarf plant—fine in borders. The Roselike blooms cluster at the tops of the stems. Pkt., 10c; $\frac{1}{4}$ oz., 40c.

BEANS—SCARLET RUNNER. (A-C). A rapid growing climber, reaching a height of 10 to 12 feet, and bearing sprays of brilliant scarlet pealike blossoms. Good for snap or green shell Beans and an ideal fence cover. Pkt., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; 1 lb., 70c.



Calendula—Sunshine



Giant Flowering Candytuft

CALLIOPSIS—MIXED. (A*). A graceful, showy, sunshine loving plant, blooming from June to frost. The colors range through yellow to rich brown. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

CAMPANULA—CANTERBURY BELLS—Annual Finest Mixed. (A). With this new annual type started indoors in early spring, we can enjoy the glory of these dainty bell like blooms the same summer. Pkt., 15c; $\frac{1}{4}$ oz., 80c.

CALENDULA

POT or SCOTCH MARIGOLD. (A*). Growing anywhere and blooming from early summer until frost, this is one of the most honest and satisfactory flowers we have.

Orange King. A deep orange and very double. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

Sunshine or Chrysanthemum. A newer type of Calendula, long stemmed Chrysanthemum shaped large buttercup yellow flowers. Pkt., 10c; $\frac{1}{4}$ oz., 30c.



Carnation—Marguerite

CARNATION

(P*). These spicily fragrant flowers should be started indoors and while perennials are best sown each year. Plants may be cut back in fall and potted for winter blooming.

MARGUERITE MIXED. Very double abundant blooms with good stems. Pkt., 15c; $\frac{1}{4}$ oz., 90c.

CHABAUD MIXED. Upright, robust plants, with extra large flowers. Pkt., 15c; $\frac{1}{4}$ oz., 55c; $\frac{1}{4}$ oz., \$1.00.

COBOEA SCANDENS—CATHEDRAL BELLS (A-C). A most handsome and rapid growing climber. The flowers are large and bell shaped. Pkt., 10c; $\frac{1}{4}$ oz., 65c.

CANDYTUFT (A*)

Easily grown dwarf plants, blooming throughout the summer, fine for edging, beds and borders.

GIANT WHITE HYACINTH FLOWERED. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

GIANT FLOWERING MIXED. Pkt., 10c; $\frac{1}{2}$ oz., 30c.

CELOSIA—COCKSCOMB

(A). A very showy and colorful group, easily grown and readily dried for winter bouquets.

DWARF CRESTED MIXED (Cristata). Plants 1 foot tall topped by large ruffled cockscombs. Color range from yellow through red. Pkt., 15c; $\frac{1}{4}$ oz., 60c.

OSTRICH PLUMED or FEATHERED MIXED (Plumosa). 2 to 3 feet plants, with graceful stately plumes resembling ostrich feathers above the foliage. Pkt., 15c; $\frac{1}{4}$ oz., 55c.

CHINESE WOOLFLOWER MIXED (Childsli). Plants grow from 2 to 3 feet high with flower heads resembling bright colored loose balls of wool. Pkt., 15c; $\frac{1}{4}$ oz., 60c.

CENTAUREA IMPERIALIS. GIANT SWEET

SULTAN (A*). The large, sweet scented, thistle-like blooms are borne on long, strong stems. Our well balanced mixture is fine for cutting. Pkt., 10c; $\frac{1}{4}$ oz., 35c.

CHRYSANTHEMUM — ANNUAL (A*). The large, double flowers bloom in late summer. Pkt., 10c.

If you wish any sort of Flower Seed not listed here, ask us about it.
If we cannot supply it, we'll try to tell you where it may be obtained.



Dianthus—Chinese Pink.



Single Crested Cosmos.



Sensation Cosmos.

CYPRESS VINE (A-C). An attractive climber with dark green feathery foliage and star shaped flowers. Pkt., 10c; ½ oz., 25c.

DAHLIA UNWIN'S DWARF HYBRIDS (TP*). Blooms in 60 days from seed. Plants are 2 feet tall with semi-double flowers, 3 inches across. Tubers are produced which may be saved. Pkt., 15c; ¼ oz., 85c.

DIGITALIS—FOXGLOVE (P). Easily grown semi-hardy, stately perennial reaching height of from 2 to 4 feet and producing long spikes of beautiful tubular flowers. Pkt., 10c; ¼ oz., 60c.



Unwin's Dahlia.

DIANTHUS

An abundant and brilliant bloomer, averaging 1 foot high, adapted to borders, beds, and rock gardens.

CHINESE PINK MIXTURE (A*). Our double mixture covers the complete color range and includes not only the old standard sorts, but all the newest spotted, striped and fringed varieties. Pkt., 10c; ¼ oz., 40c.

GRASS or CLOVE PINK MIXTURE (P*). Hardy, with grassy foliage and thin wiry stems, our Plumarius mixture includes both single and double blooms of this spicily fragrant and deeply fringed flower favorite. Pkt., 10c; ¼ oz., 75c.

CLARKIA—DOUBLE MIXED (A*). Graceful plants with richly colored double rosette-like flowers almost covering the upright branches. Blooms from July to frost and does well everywhere. Pkt., 10c; ¼ oz., 40c.

COLUMBINE — AQUILEGIA — LONG SPURRED MIXTURE (P). A hardy, graceful, June blooming perennial. 2 feet high. The dainty, long spurred flowers of our mixture range in color from purple through yellows to white. Pkt., 15c; ¼ oz., 70c.

For Columbine Roots, See Page 69.

COREOPSIS—DOUBLE FLOWERING (P*). Vigorous and free blooming with large orange yellow flowers on long graceful stems. Pkt., 10c.

COSMOS

(A*). Growing 4 to 5 feet tall, branching freely with feathery foliage and blooming abundantly from late July until frost, Cosmos is especially effective in screens and single borders.

RADIANCE. The 1948 All America Silver Medal Winner. Deep rose and rich crimson, the first bicolor Cosmos. See inside back cover for colored picture. Pkt., 20c; ¼ oz., 45c.

SENSATION MIXED. Extra Early Giant Flowering with blooms 4 to 5 inches in diameter. Pkt., 10c; ¼ oz., 30c.

PURITY. Pure white. Pkt., 10c; ¼ oz., 40c.

ORANGE FLARE Brilliant orange flowers—free blooming. Pkt., 10c; ¼ oz., 30c.

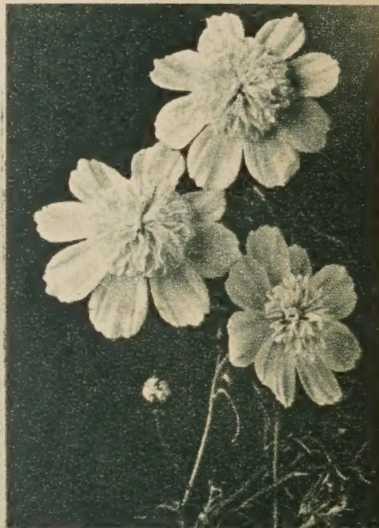
EARLY MAMMOTH FLOWERING

SINGLE MIXED. Blooming early enough to satisfy the wants of flower lovers in this section. Tall plants with huge blooms. Pkt., 10c; ¼ oz., 25c; oz., 60c.

EARLY FLOWERING DOUBLE CRESTED MIXED. Sometimes called Anemone flowered, this is one of the finest Cosmos for cutting. About 65% of the blooms are double. Pkt., 15c; ¼ oz., 75c.



Clarkia—Double Mixed



Double Crested Cosmos.

DAISIES

SHASTA DAISY—Alaska (P*). Can be grown out of doors anywhere with light winter protection. The flowers are large with glistening white petals and small golden centers. Pkt., 10c; ¼ oz., 45c.

ANNUAL PAINTED DAISY—Tricolor Finest Mixed (A). Easily grown with wide range of colors and zoning, outstanding as a cut flower. Pkt., 10c; ¼ oz., 25c.

For Shasta and Perennial Painted Daisy Roots, See Page 69.
AFRICAN DAISY—Dimorphotheca Aurantiaca Hybrids (A*). An easily grown, beautiful and extremely showy annual from South Africa. Plants grow 1 foot high and enjoy a sunny location. This is one of the loveliest of flowers. Pkt., 10c; ¼ oz., 50c.

FLORALIFE

DOUBLES LIFE OF CUT FLOWERS. MAINTAINS COLOR AND FRAGRANCE. KEEPS WATER SWEET AND FRESH. NO NEED TO CHANGE WATER. One teaspoon to quart of water. Enough powder to make 5 quarts, 25c; 30 quart size, \$1.00, postpaid.



African Daisy.

FOUR O'CLOCK

Marvel of Peru (A). An old fashioned, bushy, thrifty plant with bright blooms opening in afternoon and on cloudy days. Freely flowering from midsummer to frost. A fine annual hedge. Pkt., 10c; oz., 35c.

GAILLARDIA—Blanket Flower (P*). This hardy perennial blooms from July until frost. Thriving anywhere, this gives you combinations of yellow and red mixed. Pkt., 10c; ¼ oz., 30c. Burgundy. Wine red. Blooms the same season if sown early. Pkt., 15c; ¼ oz., 60c.

GERANIUM (TP). Sown early in the spring, indoors, these are easily raised from seed and frequently reward the cultivator with charming new colorings. Our mixture is of the largest and finest strains. Pkt., 20c.

FORGET-ME-NOT (P). Best treated as an annual in this section, although it often winters with some protection. The dainty, clear blue flowers flourish in partial shade. Pkt., 15c.

GOURDS (AC). A valuable class of annual climbers. If allowed to ripen on the vines, the gourds can be kept for months as unique ornaments. Directions for keeping Gourds on request.

SMALL FRUITED MIXED. All shapes, colors and markings. Pkt., 10c; oz., 30c.

LARGE FRUITED MIXED. Pkt., 10c; oz., 30c.



Helichrysum



Bismarck Single Hollyhock

GYPSOPHILA Thrive almost anywhere and give a charming misty effect in bouquet or border with their many tiny blossoms.

ELEGANS GRANDIFLORA ALBA—Angel's Breath (A*). Pure white, large flowered. Pkt., 10c; ½ oz., 25c.

PANICULATA—Baby's Breath (P*). Fine white flowers in June and July. May be dried for winter bouquets. Pkt., 10c; ¼ oz., 30c.

HELICHRYSUM—DOUBLE STRAWFLOWER or EVERLASTING (A*). The finest and most widely grown of all Everlastings. Ornamental when growing with its wide range of color and much prized for winter bouquets. Pkt., 10c; ¼ oz., 35c.

HELIOTROPE—Mixed (TA). Fragrant, beautiful and long blooming it is easily grown and fine for either bedding or pot plant. Pkt., 15c; ¼ oz., 65c.

HOLLYHOCK

Among shrubs, as screen or background, the tall and stately Hollyhock has its place in every garden.

PIONEER—Double Mixed (P). This will not bloom the first year unless planted indoors by March. Our mixture comprises all shades. Pkt., 10c; ¼ oz., 70c.

BISMARCK—Single Mixture (P). The single sorts are slightly harder and more vigorous than the doubles. Our mixture is equal to any. Pkt., 10c; ¼ oz., 25c.

ANNUAL—INDIAN SPRING. (1939 All American Silver Medal Winner.) If planted early in spring will bloom the same year. The blooms are large, fringed and semi-double, in pink and rose shades. Pkt., 10c; ¼ oz., 45c.

For Hollyhock Roots See Page 69.

ICE PLANT—Mesembryanthemum Crystallinum (A). A trailing plant with singular icy foliage. Especially useful in rock garden. Pkt., 15c.

ANNUAL LARKSPUR

The long spikes of gay double blooms and finely cut feathery foliage make Larkspur one of our most valuable garden flowers.

GIANT IMPERIAL MIXED. Pkt., 10c; ¼ oz., 30c.

ROSE KING. Pkt., 10c; ¼ oz., 40c.

REGAL MIXED. A new strain, vigorous and early, with very long spikes of huge, well spaced florets. The top florist's Larkspur and perfect for home use. Pkt., 20c; ¼ oz., 65c.

DELPHINIUM—PERENNIAL LARKSPUR

PACIFIC GIANTS. A remarkable strain with immense spikes and extremely large and well formed flowers, mostly double. Pkt., 30c; 2 pkts., 55c.

GOLD MEDAL MIXTURE. A fine mixture running in color from the lightest shade of lavender to indigo blue. Pkt., 10c; ¼ oz., 70c.

NEW ZEALAND DWARF. A profuse bloomer, growing 18 inches high. The flowers are dark blue. Pkt., 15c.

For Perennial Larkspur Roots, See Page 67.

LAVATERA

ROSEA SPLENDENS—SWISS ROSE—LOVELINESS (A*). An annual Mallow with very large, bright, rose flowers, showy and effective for border and cutting. Pkt., 10c; ¼ oz., 35c.

LINUM-FLAX

SCARLET FLAX—GRANDIFLORUM RUBRUM (A). Brilliant crimson flowers. For continuous bloom make successive plantings. Pkt., 10c; ¼ oz., 30c.



Delphinium



Annual Larkspur



Scarlet Flax



Gigantea Sunset Hybrids

LOBELIA—CRYSTAL PALACE COMPACTA (A) The 6 inch plants are fairly covered with dainty deep blue flowers. Fine for edgings, beddings and pot culture. Pkt., 15c; 1/4 oz., 60c.

MARIGOLD (A*)

A wealth of colorful decorative blossoms from midsummer to frost. Lovely for cutting.

GIGANTEA SUNSET HYBRIDS. The largest Marigold yet developed, its delicately sweet scented flowers average 5 inches in diameter. The plants are from 3 1/2 to 4 feet tall. Though a small percentage of single flowers may be expected, the size and beauty of the blooms will repay the planter. Pkt., 10c; 1/4 oz., 50c.

GUINEA GOLD. The large, double carnation like blooms are a brilliant golden orange. This is deservedly one of the most popular Marigolds. Pkt., 10c; 1/4 oz., 35c.

TALL AFRICAN DOUBLE MIXED. The plants are 2 1/2 feet high and the very large globular flowers have tubular or quilled petals. Our mixture ranges in color from light lemon to deep orange. Pkt., 10c; 1/4 oz., 55c.

DOUBLE DWARF FRENCH. 1 foot tall.

MONARCH MIXED. Plants of compact habits with large flowers in fascinating shades. Pkt. 10c; 1/4 oz., 35c.

HARMONY MIXED. Blooms with high crested centers run the range in two tone combinations from lemon yellow to dark red. Pkt., 10c; 1/4 oz., 30c.

SPRY HYBRIDS. Six to eight inches tall and a prolific bloomer. Pkt., 15c.



Guinea Gold



Heavenly Blue Morning Glory

MORNING GLORY (A-C)

Quick growing, free flowering climbers.

HEAVENLY BLUE —Clark's Early Strain.

The finest of all morning glories, the blooms are true blue with white throats and from 3 to 4 inches across. Pkt., 10c; 1/4 oz., 25c; oz., 75c.

CRIMSON RAMBLER. The bright ruby red flowers are slightly smaller than those of the Heavenly Blue, but this is a very vigorous bloomer and rapid climber. Pkt. 10c; 1/4 oz., 20c; oz., 65c.

PEARLY GATES. (All American Silver Medal 1941.) Large flowered, free blooming, pure white. Plant this with Crimson Rambler and Heavenly Blue for Red, White and Blue effect. Pkt., 15c; 1/4 oz., 45c; oz., \$1.50.



Crimson Rambler Morning Glory

IMPERIAL MIXED—Ipomea Imperialis. The large flowers range from white to dark purple in unusual colors. The foliage is very attractive in its variations. Pkt., 15c; oz., 35c; 1/4 lb., \$1.00.

FINEST MIXED—Convolvulus Major. A good mixture of the old fashioned yet ever popular climber. Pkt., 10c; oz., 30c; 1/4 lb., 75c.



Double Golden Gleam Nasturtiums

NASTURTIUMS (A*)

For border, bed, window box and bouquet. One of our most easily grown and popular flowering plants. Blooms early and throughout a long season in wide color range.

GOLDEN GLEAM—DOUBLE SWEET SCENTED.

This most satisfactory double Nasturtium continues to gain in popularity. The fragrant golden yellow blooms are borne well above the foliage on strong bushy plants. Pkt., 10c; oz., 30c; 1/4 lb., 85c.

DWARF DOUBLE GEM MIXED.

The plants are dwarf and compact. While some single blooms may be expected, the great majority will be large, double or semi-double, sweet scented, in well balanced color mixture. Pkt., 10c; oz., 30c; 1/4 lb., 85c.

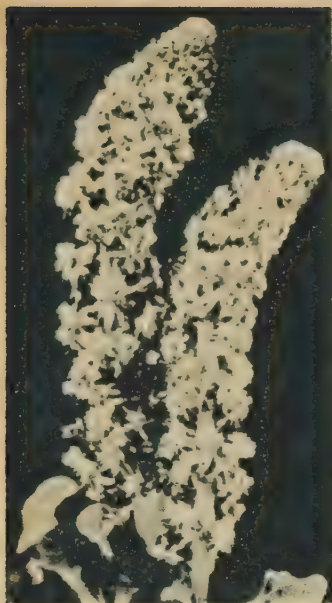
WILL'S PIONEER BRAND DWARF SINGLE MIXED.

The best obtainable mixture of desirable colors. Pkt., 10c; oz., 25c; 1/4 lb., 75c.

WILL'S SUPERB TALL SINGLE MIXED. Plants from our mixture will grow 5 to 6 feet high with showy blooms of the most brilliant shades. Pkt., 10c; oz., 25c; 1/4 lb., 75c.



Pioneer Dwarf Single Mixed



Mignonette Machet

MIGNONETTE MACHET (A*). A modest, fragrant plant, growing 1 foot high, with compact spikes of bloom. Pkt., 10c; ¼ oz., 30c.
NICOTIANA—AFFINIS HYBRIDS (A) Plants 2 to 3 feet high bear star-shaped blossoms which are delightfully fragrant, especially at evening. Pkt., 10c; ¼ oz., 35c.
NIGELLA—LOVE-IN-A-MIST—MISS JEKYLL (A*). A favorite, compact growing plant in whose fine feathery foliage nestle lovely double cornflower-blue blooms. Pkt., 10c; ¼ oz., 35c.

WILL'S PANSIES

WILL'S ROYAL SHOW

(P*). The best mixture we can supply. The blooms are all that can be desired in color, size and form. Pkt., 30c; 2 pkts., 50c; ½ oz., \$2.50.

WILL'S PREMIUM MIXTURE. While not to be compared with the Royal Show, this mixture has large blooms in complete color range and will please everyone who enjoys Pansies. Pkt., 15c; ½ oz., \$1.25.



Will's Royal Show Pansies

For Pansy Plants, See Page 56

PRIMROSE or PRIMROSE MALACOIDES (TA). Sown in April will make plants for fall and winter blooming indoors. Pkt., 25c.

RICINUS—CASTOR BEAN (TA). Tall stately plant with ornamental foliage and brilliant colored fruit. Pkt., 10c; oz., 20c; ¼ lb., 60c.

PETUNIAS (A*)

Enjoy sunshine, bloom profusely within 2 months from seed and are fine for bedding, porch or window box, border and pot.

FIRE CHIEF. All America Sweepstakes Winner for 1950. The reddest Petunia we've seen, of dwarf and trim habit. (See inside cover for colored picture.) Pkt., 25c.

RUFFLED MONSTER MIXTURE. Very large, single, ruffled flowers, richly marked and veined. About 300 seeds to the packet. Pkt., 30c.

BALCONY TYPE, MIXED. Single, large flowering and free blooming, trailing in habit and especially suited to bed and window boxes. Pkt., 20c.



All Double Petunia

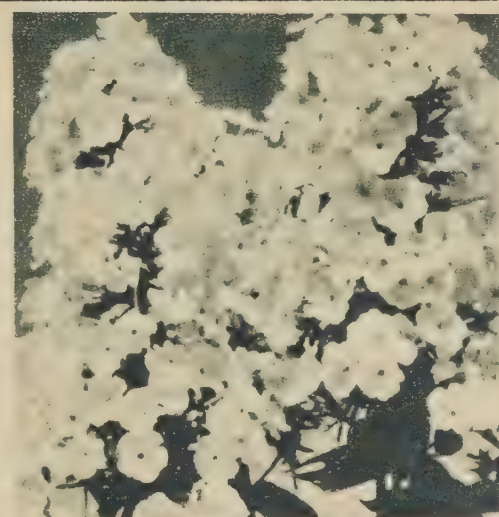
ALL DOUBLE GIANT FRINGED DWARF VICTORIOUS PETUNIA. The best All Double Petunia seed obtainable, and the most dwarf type. Pkt., 100 seeds, 55c.

ALL DOUBLE COLOSSAL SHADES OF ROSE PETUNIA. This All America Silver Medal winner is a vigorous grower, free blooming; with large, fringed to ruffled flowers in an attractive range of rose shades. The blooms are not as large as those of the Victorious. Pkt., 100 seeds, 45c.

For Petunia Plants See Page 56.



Special Single Petunia



Phlox Drummond

PHLOX. DRUMMONDI GRANDIFLORA MIXED (A*). Easily grown, brilliant and fresh in color, Phlox is one of the most satisfactory annuals. Flowers from our mixture are distinct and vivid in splendid variety of tone. Pkt., 15c; ½ oz., 75c; ¼ oz., \$1.25.

PHLOX. GIANT FLOW-ERED - GIGANTEA ART SHADES (A*). The individual flowers are from 1¼ to 1½ inches in diameter in lovely, soft, pastel shades. Pkt., 20c; ½ oz., 95c; ¼ oz., \$1.60.

SPECIAL SINGLE MIXTURE.

HYBRIDA GRANDIFLORA. Plants grow 2 feet tall. Flowers are not overly large, but are borne profusely and their wonderful colorings and markings make a brilliant show in bed or border. Pkt., 10c; ½ oz., 40c; ¼ oz., 75c.

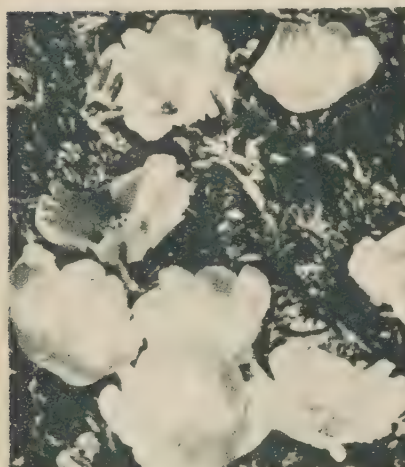
ROSY MORN. A dwarf Petunia, dainty and effective for borders and window boxes. In color a soft carmine pink with white throat. Pkt., 15c; ½ oz., 50c.



Double Shirley Poppy



Double Portulaca



Single Portulaca

Dwarf Ten Weeks Stocks



POPPIES (A)

Brilliant flowers produced freely in a riot of color.

CALIFORNIA or ESCHOLTZIA - SPREADING MIXED. These brilliant flowers are produced on low spreading plants with silvery cut foliage. For bouquets, cut when buds first show color. Pkt., 10c; ¼ oz., 15c.

AMERICAN LEGION. An improved Flanders Poppy, its color is a dazzling scarlet. Pkt., 10c; ¼ oz., 30c.

DOUBLE SHIRLEY MIXED. Large, graceful silky flowers. Pkt., 10c; ¼ oz., 30c.

TULIP POPPY-BUSH ESCHOLTZIA-HUNNEMANNIA—Sunlite. (A*) Gorgeous, semi-double, canary yellow blooms. The foliage is light gray green. Pkt., 10c; ¼ oz., 25c.

CUT FLOWER MIXTURE. Well balanced mixture of hardy annuals. Pkt. 10c; ¼ oz., 25c.

BLUE MAW. This seed is used for cooking only and has been so treated that it will not germinate. ¼ lb., 20c; 1 lb., 60c, postpaid.

ORIENTAL MIXED (P). Unrivalled for gorgeous effectiveness in perennial borders, the flowers are immense, frequently six inches across. Pkt., 15c; ¼ oz., 75c.

ICELAND MIXED (P*). The large, gaily colored, cup-shaped flowers bloom on graceful, wiry stems. If sown early, will bloom first year from seed. Pkt., 10c; ½ oz., 50c.



California Poppy—Escholtzia

PORTULACA—Rose Moss (A)

Hardy, Sun Loving, Profuse Bloomer. Blooms early and until frost, thriving and producing a brilliant display where almost any other plant would die. Fine for beds, borders and ground cover. We recommend it for cemetery planting.

DOUBLE MIXED.

A small percentage of singles is to be expected. Pkt., 15c; ½ oz., 60c; ¼ oz., \$1.00; oz., \$3.00.

SINGLE MIXED.

Pkt., 10c; ½ oz., 30c; ¼ oz., 50c; oz., \$1.50.

SALPIGLOSSIS

VELVET FLOWER or PAINTED TONGUE—Large Flowering Mixed (A*). Easily grown annual, 2 to 2½ feet tall, and one of our favorite flowers. The velvety blooms are large, trumpet shaped, and of richest colors, from creamy white to deep purple, all veined with gold. Pkt., 10c; ¼ oz., 25c.

SALVIA—CLARA BEDMAN or EARLY BONFIRE (TA*). Its erect spikes of brilliant scarlet flowers make this one of the handsomest of Salvias. Pkt., 20c; ½ oz., 90c.

SCABIOSA—Tall, Large Flowered Double Mixed (A*). Also known as Mourning Bride or Pin Cushion Plant. The showy, double blooms are borne on long strong stems and soft colors predominate. Pkt., 10c; ¼ oz., 35c.

SNOW-ON-THE-MOUNTAIN—Euphorbia Variegata (A). A bushy plant of colorful foliage, much used in borders and backgrounds. The broad green leaves are heavily margined with silvery white. Pkt. 10c; ¼ oz., 20c.

STOCK—GILIFLOWER—Mammoth Double Early Branching (A*). The large, profuse spikes of rosette like blooms are of beautiful coloring and rich fragrance. A small percentage of singles may be expected, but our early mixture is true to type as obtainable. Pkt., 10c; ¼ oz., 65c.

STOCK EVENING SCENTED—Mathiola Bicornis. Small purplish flowers giving off delightful perfume morning and evening. Pkt., 10c; ¼ oz., 30c.

SUNFLOWER—Helianthus Cucurbitifolius—Excelsior Hybrids (A). The plants are 5 feet tall. The small double flowers are in shades of bronze, brown and red. Pkt., 10c; ½ oz., 30c; oz., 50c.

SUN GOLD SUNFLOWER. Brilliant. All double, large golden yellow blooms. 4-5 feet high. Pkt., 10c; ¼ oz., 20c.



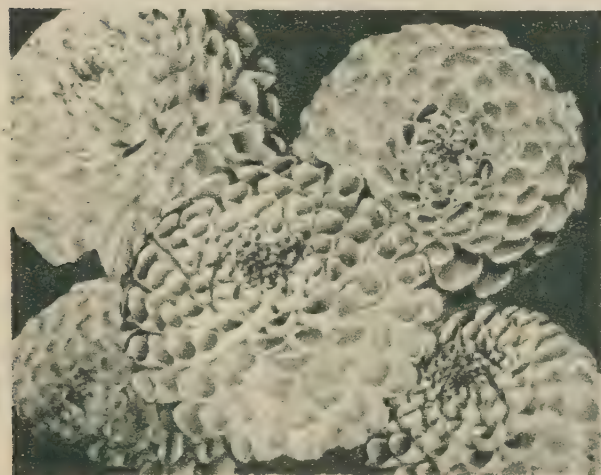
Salpiglossis or Velvet Flower



Verbena

VERBENA

Hybrida—Mammoth Choice Mixed (A*)—A very popular dwarf plant of many uses, bearing clusters of brilliant star shaped flowers through a long season. Pkt., 10c; $\frac{1}{4}$ oz., 75c.



Double Lilliput Zinnia

SCABIOUS FLOWERED MIXTURE. An oddly attractive bloom resembling the annual Scabiosa. The plants are 2 to 2½ feet high and the flowers are medium sized with rich color range. Pkt., 15c; $\frac{1}{4}$ oz., 45c; oz., \$1.50.



California Giants Zinnia



Sweet William

SWEET WILLIAM. *Dianthus Barbatus*—Double and Single Mixed (P*). An old garden favorite, 1½ to 2 feet high, blooming early with handsome broad clusters of little pinks. With some care plants will last many years, although they may be easily raised from seed each season. Pkt., 10c; $\frac{1}{4}$ oz., 65c.

ZINNIAS

THE FLOWER FOR GREAT PLAINS GARDENS. FLOURISHES IN HEAT AND WITH LITTLE CARE—PRACTICALLY FREE FROM PLANT DISEASES—WITH LONG SEASON OF BLOOM. SHOWY, BRIGHT AND FREE FLOWERING—FINE FOR CUTTING AND EVERY GARDEN USE.

DOUBLE LILLIPUT or POMPON—Mixed. The plants are from 12 to 18 inches high, blooming profusely in 45 days from seed. The flowers are very double, 1 to 1½ inches in diameter, and the colors bright and well varied. Pkt., 10c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.30.

Crimson Gem. Pkt. 10c; $\frac{1}{4}$ oz., 45c; 1 oz., \$1.50.

Dahlia Flowered Zinnia
Gold Medal Mixture

DAHLIA FLOWERED

Best for general garden use, 2½ to 3 feet tall. The blooms average 4½ to 5 inches across.

GOLD MEDAL MIXTURE

Grown in separate colors and then mixed, this is vastly superior to much that is offered. Pkt., 10c; $\frac{1}{4}$ oz., 45c; oz., \$1.50.

THE FOLLOWING DAHLIA FLOWERED ZINNIAS IN SEPARATE COLORS. Pkt., 10c; $\frac{1}{4}$ oz., 45c; oz., \$1.40. **CRIMSON MONARCH**—Deep Crimson. **GOLDEN DAWN**—Rich Golden Yellow. **LUMINOSA**—Deep Pink.

INDIAN SUMMER MIXTURE. A highly satisfactory blend of the Largest Flowering types in bright warm colors, without a trace of harshness. Pkt., 10c; $\frac{1}{4}$ oz., 40c; oz., \$1.30.

CALIFORNIA GIANTS—Mixed. The blooms are not as deep as those of the Dahlia flowered type, but fully as large, and the longer stems make this sort more desirable for cutting. Pkt., 10c; $\frac{1}{4}$ oz., 45c; oz., \$1.50.

FANTASY—Mixed. A medium sized Zinnia with shaggy petals, curved and quilled, graceful and delicate. The color mixture is complete. Pkt., 10c; $\frac{1}{4}$ oz., 40c; oz., \$1.30.



Zinnia-Fantasy

Will's Sweet Peas



Early Flowering Spencer Sweet Peas

SWEET PEA COLLECTION

One regular packet of each of the fifteen best varieties listed below (will sow 90 feet of row) together with a GARDEN SIZE PACKAGE OF NITRAGIN to treat the seed for best results.

\$1.25

SUMMER FLOWERING SPENCERS

The following 12 varieties of Summer Flowering Spencer Sweet Peas are priced at: Pkt., 10c; oz., 35c; ¼ lb., \$1.10. Any three packets, 25c.

AMETHYST. Clear Medium Blue.

FLUFFY RUFFLES. Cream.

ECSTASY. Light Pink.

FLAGSHIP. Navy Blue.

GIGANTIC. White.

HIGHLANDER. Lavender.

MASTER CREAM. Deep Cream.

MISS CALIFORNIA. Salmon Cream Pink.

OLYMPIA. Purple.

PEER. Orange Pink.

STYLIST. Clear Rose Pink.

WELCOME. Brilliant Scarlet.

EARLY FLOWERING SPENCERS

The three following varieties of Early Flowering Spencer Sweet Peas are priced at: Pkt., 15c; oz., 50c.

AMERICAN BEAUTY. Deep Crimson.

ZVOLANEK'S SALMON. Salmon Cerise.

LADDIE IMPROVED. Light Rose Pink.

Choice Mixed Sweet Peas

EARLY FLOWERING SPENCER MIXTURE

Also known as Winter Flowering. These come into bloom three weeks before the standard Spencer varieties, but with the same long stems and large, waved flowers. They have replaced the standard Spencers in greenhouse planting, and though they do not grow quite as tall nor branch as much, their earliness and long season of bloom make them invaluable for outdoor planting, particularly in the short seasoned north. Pkt., 10c; oz., 40c; ¼ lb., \$1.15; ½ lb., \$2.10; 1 lb., \$4.00.

CUTHBERTSON SWEET PEAS

A new development of the Heat Resistant sort and the ideal type for home gardeners every where. Blooms after the Early Flowering sorts and combines an ability to grow and bloom under hot weather conditions with exceptional vigor, length of stem, and abundance of fragrant blossoms.

MIXED: Pkt., 15c; oz., 45c; ¼ lb., \$1.40; ½ lb., \$2.60; 1 lb., \$4.90, postpaid.

NAMED VARIETIES: Pkt., 15c; oz., 60c, postpaid.

COLINE, Scarlet.

EVELYN, Salmon Cream Pink.

HELEN, Blush Pink.

JANET, Black Seeded White.

LOIS, Rose Pink White Ground.

TOMMY, Clear Medium Blue.

Any three packets of the above, 40c;

one packet of each of the six named Cuthbertson varieties, 75c, postpaid.

GIANT RUFFLED SPENCER MIXTURE.

Sweet Peas with gigantic blooms so ruffled and frilled that they appear almost double. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; ½ lb., \$1.80; 1 lb., \$3.40, postpaid.

WILL'S IMPERIAL MIXED SWEET PEAS.

A mixture in proper proportions of the large waved standard Spencer sorts with every Sweet Pea color represented in every possible combination. Pkt., 10c; oz., 25c; ¼ lb., 90c; ½ lb., \$1.50; 1 lb., \$2.70.

SIBERIAN PERENNIAL SWEET PEAS (P). The vines are about 5 feet high, absolutely hardy and bloom all summer if blossoms are kept picked. Pkt., 15c.

TREAT SWEET PEAS with NITRAGIN.

Garden Size, 15c, Postpaid. Will Treat up to 8 Pounds of Peas, Beans and Sweet Peas.

A Few Suggestions

The Sweet Pea plant or vine succeeds best in cool, moist, yet well drained soil. To secure the longest possible season of bloom the seed must be planted early. The best mode of planting is the trench method. The trench is dug two feet deep and two feet wide, and filled nearly to the surface of the ground with a mixture of well rotted manure and rich soil, with a six-inch layer of soil at the top. Soaking seed in water over night before planting will hasten germination. The seed should be sown, two inches deep, at the rate of one ounce to twenty feet. During dry weather the ground should be thoroughly soaked once or twice each week. A light spraying of the vines in the evening during hot weather will be found beneficial, and the earth should at all times be kept loose about the plants to a depth of two inches. Sweet Peas should be cut early in the morning and the more closely the flowers are kept cut off the longer will be the period of bloom. Remember, the vines quickly wither, if allowed to produce any great amount of seed. Spray thoroughly and often to prevent infection by aphids.



Cuthbertson Sweet Peas



Will's Imperial Mixed Sweet Peas



Will's Pioneer Brand Vegetable Seeds



A Good Garden Always Pays

Our Garden Seeds selected for the Northwest do well anywhere

WILL'S PIONEER INDIAN COLLECTION

5 Packets for 20c

Five packets of the same vegetable varieties that were grown by the Indians long before they ever saw or heard of a white man. One packet each of:

Hidatsa Beans
Arikara Squash
Fort Berthold Pumpkin
Omaha Pumpkin
Nuetta Sweet Corn

FIVE PACKETS FOR 20 CENTS.



WILL'S
PIONEER
BRAND.

It Stands for
Earliness and
Hardiness.

Backed By
Sixty-eight
Years of
Experience.

Garden Seed Prices are postpaid to any address in the United States unless otherwise stated. Prices are subject to change without notice. Any Sales Tax is to be paid by the Customer. We cannot absorb it.

We can supply garden seed collections for European friends or relatives. Ask about them.

WILL'S LEADER COLLECTION

15 Packets—One Each of 15 Leading Varieties

Puregold Beans
Detroit Dark Red Beet
Copenhagen Market Cabbage
Stensballe Carrot
Snowball Cauliflower
Great Plains Golden Bantam Sweet Corn
Straight Eight Cucumber
Extra Early Osage Muskmelon

Slobolt Lettuce
Early Yellow Globe Onion
Merrimack Wonder Pepper
Early Scarlet Globe Short Top Radish
(From Transplanted Roots)
Buttercup Squash
Victor Tomato
New Hampshire Midget Watermelon

\$1.70 Value for \$1.00

A Good Garden Is the Most Profitable Piece of Ground on a Farm

ORDER EARLY

PLANTING TABLE FOR VEGETABLES

For the Farm Garden we recommend that all rows be equal distances apart and that that distance be the same as that of the cultivated field crops of the farm.

Ft. of Row for Five Persons	Kind of Vegetable	Dist. Apart of Plants in Rows (Inches)	Least Dist. Between Rows (Inches)	Seed for 100 Feet of Row	Ft. of Row for Five Persons	Kind of Vegetable	Dist. Apart of Plants in Rows (Inches)	Least Dist. Between Rows (Inches)	Seed for 100 Feet of Row
200	*Beans—Dwarf, Snap	2-5.....	20.....	¾ lb.	300	Onions.....	4-6....	14.....	½ oz.
100	Beans—Dwarf, Lima	6.....	20.....	1 lb.	200	Onions, from sets.....	2-3....	16.....	3 pts. sets.
150	*Beets.....	2-4.....	18.....	1½ oz.	50	Parsnip.....	3-5....	18.....	½ oz.
200	Cabbage.....	16-24...	24.....	50-75 plants.	300	*Peas.....	¾-1½	30.....	1 lb.
50	Cauliflower...	16-24...	24.....	50-75 plants.	25	Peppers.....	16.....	24.....	60 plants..
100	*Carrot.....	2.....	18.....	½ oz.	800	Potatoes, Early.....	14-18...	30.....	½ peck.
50	Celery.....	4-8.....	18.....	200 plants.	150	*Radish.....	1-2....	16.....	1 oz.
500	*Corn, Sweet...	16-36...	30.....	2 oz.	200	*Spinach.....	1-3....	18.....	1 oz.
100	Cucumber.....	48.....	Hills 48..	½ oz.	25	Squash, Hills 42	42.....	42.....	½ oz.
25	Eggplant.....	20-30...	24.....	50 plants.	100	Tomato.....	30.....	36.....	40 plants.
50	*Lettuce.....	4-8.....	Beds 6...	½ oz.	100	*Turnip.....	2-4....	18.....	½ oz.
150	Muskmelon...	Hills 72	72.....	½ oz.					

These vegetables marked * should not all be planted at one time, but apart at intervals of 2 or 3 weeks to secure a continuous supply.

WILL'S BEANS

Belong in Every Garden

CULTURE: Beans should not be planted until the ground is warm, as cold and wet weather will cause the seed to rot. For garden culture plant four or five seeds in hills one foot apart, and the rows 18 inches apart. For field culture make the rows three or three and one-half feet apart, and cover with two inches mellow soil. Do not hoe or cultivate while the plants are wet with dew or rain, as getting the leaves bespattered with earth causes rust, which injures the crop. One pound of beans is a little more than one pint.

DWARF GREEN PODDED BEANS



Green Pod Stringless

TENDERGREEN. The dark green pods are fine textured, fleshy, brittle, tender and stringless and of outstanding quality. The compact vines are vigorous and heavily productive. The best round podded dwarf green Bean. Pkt., 10c; ¼ lb., 16c; ½ lb., 30c; 1 lb., 57c, postpaid. Not prepaid, 5 lbs., \$2.00; 10 lbs., \$3.90.

GREEN POD STRINGLESS. This very widely grown green podded sort is very early and one of the best flavored. The dark green pods are round, straight, thick, meaty, strictly stringless and brittle. Pkt., 10c; ¼ lb., 15c; ½ lb., 27c; 1 lb., 48c, postpaid. Not prepaid, 5 lbs., \$1.55; 10 lbs., \$3.00.

BOUNTIFUL. A favorite throughout the Northwest for its earliness, hardiness and productivity. Fine flat podded green Bean. The light green pods average 6 to 7 inches in length and are stringless, thick, flat, slightly fibrous, and of excellent quality. Its hardiness and yield under adverse conditions are its best qualities. Pkt., 10c; ¼ lb., 15c; ½ lb., 28c; 1 lb., 53c, postpaid. Not prepaid, 5 lbs., \$1.80; 10 lbs., \$3.50.



Bountiful

PLENTIFUL—All American Bronze Medal Winner. A very heavy yielder and somewhat rust resistant, the flat green pods are 6½ inches long, straight, tender, fleshy and stringless. The best flat podded green bean. Pkt., 10c; ¼ lb., 18c; ½ lb., 33c; 1 lb., 60c, postpaid. Not prepaid, 5 lbs., \$2.65; 10 lbs., \$5.20.

STREAMLINER. A very productive, upright sort, whose attractive, semi-flat light green pods are 7 inches long, stringless, fleshy and nearly fiberless. Pkt., 10c; ¼ lb., 17c; ½ lb., 35c; 1 lb., 65c, postpaid. Not prepaid, 5 lbs., \$2.40; 10 lbs., \$4.70.

LIMA BEANS

FORDHOOK BUSH LIMA No. 242. The best large podded dwarf Lima. All American Bronze Medal Winner originated by the U. S. Dept. of Agriculture. Pods of good length contain from 4 to 5 large, thick, white Beans. A heavy producer of high quality this stands drought better than other sorts. Pkt., 10c; ¼ lb., 21c; ½ lb., 38c; 1 lb., 70c, postpaid. Not prepaid, 5 lbs., \$2.65; 10 lbs., \$5.20.

JACKSON WONDER BUSH LIMA. This small seeded, calico colored Bush Lima is as early and dependable as any Lima Bean we have ever had in our trials. Pkt., 10c; ¼ lb., 15c; ½ lb., 27c; 1 lb., 48c, postpaid. Not prepaid, 5 lbs., \$1.55; 10 lbs., \$3.00.

HOPI LIMA. Westan Strain. A very early and hardy vining sort with small, white, fine flavored Beans. It is as early as Jackson Wonder and very productive. Pkt., 10c; ¼ lb., 15c; ½ lb., 28c; 1 lb., 50c, postpaid. Not prepaid, 5 lbs., \$1.65.



Fordhook Bush Lima



For Better Yields Treat Beans and Peas with Nitragin. A 15c Package Will Treat Up to 8 lbs. of Seed

DWARF WAX PODDED BEANS

PUREGOLD. All American Bronze Medal Winner for 1948. An earlier variety with better color and quality. Dwarf and resistant to common Bean mosaic, the pods are 5½ to 6 inches long, slim, round, stringless, and bright golden yellow. Pkt., 10c; ¼ lb., 19c; ½ lb., 35c; 1 lb., 65c, postpaid. Not prepaid, 5 lbs., \$2.75; 10 lbs., \$5.40.



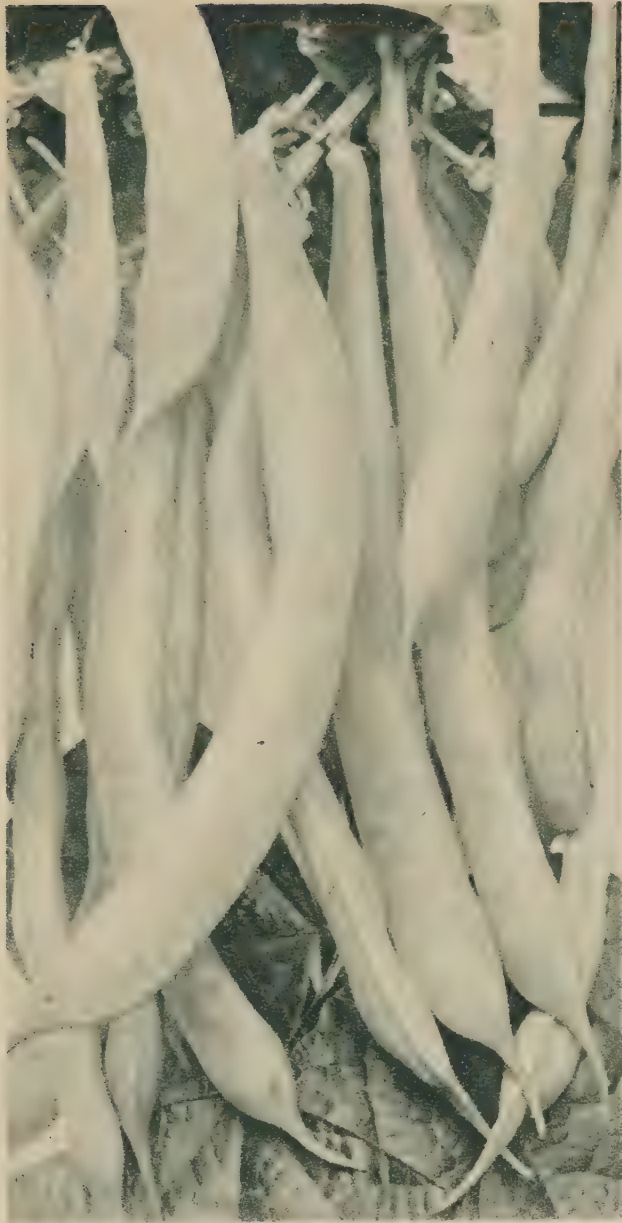
Sure Crop Stringless Wax

SURE CROP STRINGLESS or Bountiful Wax

The best flat wax bean. A heavy yielding, disease resistant, and delicious Wax Bean. The long, golden pods are thick, flat, meaty, brittle, strictly stringless, and of fine texture and quality. Pkt., 10c; ¼ lb., 17c; ½ lb., 30c; 1 lb., 55c, postpaid. Not prepaid, 5 lbs., \$1.95; 10 lbs., \$3.70.

IMPROVED GOLDEN WAX— Top Notch Strain

This is the very finest selected strain of Golden Wax bean, and has for years been our most popular sort. It seems to be especially suited to Northwestern climatic conditions. Pods are large, fleshy, and entirely stringless. Color is a bright golden. A very early sort, and highly rust resistant. Pkt., 10c; ¼ lb., 16c; ½ lb., 30c; 1 lb., 57c, postpaid. Not prepaid, 5 lbs., \$2.00; 10 lbs., \$3.90.



Improved Golden Wax

PENCIL POD BLACK WAX Very desirable for home and market garden, hardy, productive and of finest quality. Probably the finest Round Podded Wax Bean. The round golden yellow pods are fleshy, brittle, stringless and very tender. Pkt., 10c; ¼ lb., 15c; ½ lb., 28c; 1 lb., 53c, postpaid. Not prepaid, 5 lbs., \$1.80; 10 lbs., \$3.50.

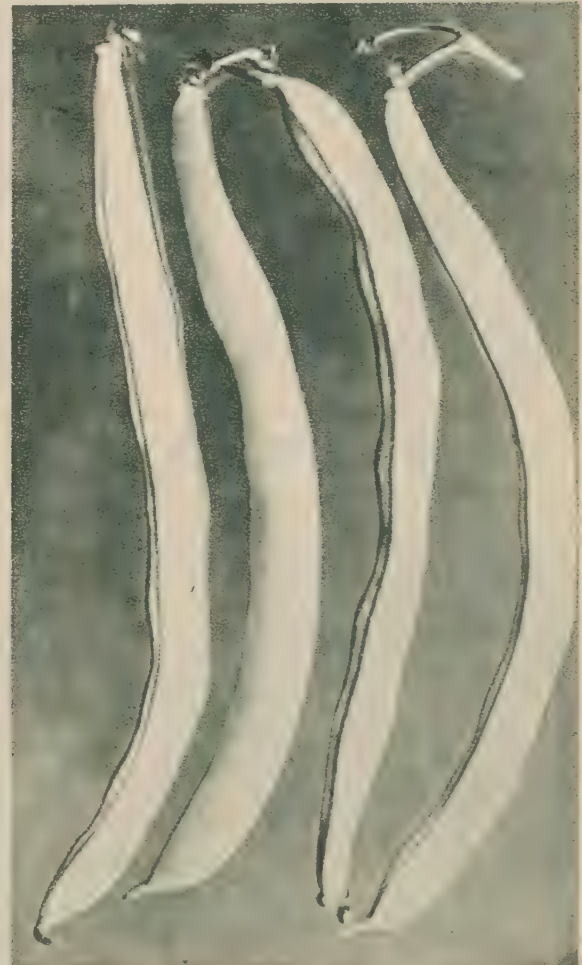
Lorin T. Oldroyd
College, Alaska, Box B

We have excellent success with your seed.

SHELL or SNAP BEANS

DWARF HORTICULTURAL or CRANBERRY. The old fashioned New England snap and shell Bean, and you haven't tasted succotash until you have tried building it around this Bean. The pods are about 5 inches long, flat, almost stringless, greenish-yellow splashed with carmine. The seeds are deep buff, streaked with dark red. Pkt., 10c; ¼ lb., 18c; ½ lb., 33c; 1 lb., 60c, postpaid. Not prepaid, 5 lbs., \$2.20; 10 lbs., \$4.20.

ENGLISH BROAD WINDSOR. The Broad or Fava bean is one of the common household vegetables in Great Britain and on the Continent of Europe, and is very much esteemed there. This is the heaviest cropping broad bean. Delicious either cooked fresh or as a Winter shell bean. Pkt., 10c; ¼ lb., 16c; ½ lb., 30c; 1 lb., 55c, postpaid. Not prepaid, 5 lbs., \$1.95; 10 lbs., \$3.70.



Pencil Pod Black

W. J. Carr
Wilsall, Mont., Rt. 3

I have been planting your seeds and corn for 15 years with great success. I have a fine garden every year at an altitude of 5200 ft.

POLE BEANS

KENTUCKY WONDER WAX. The best pole wax bean for northern planting. The light yellow pods are 8 to 9 inches long, thick, very fleshy and brittle. This is one of the earliest of the pole sorts. Pkt., 10c; ¼ lb., 21c; ½ lb., 38c; 1 lb., 70c, postpaid. Not prepaid, 5 lbs., \$2.65; 10 lbs., \$5.20.

KENTUCKY WONDER or OLD HOMESTEAD.

An exceptional yielder and the most popular green-podded climbing bean. The pods are 8 to 9 inches long, fleshy, curved, tender and of good quality. Pkt., 10c; ¼ lb., 15c; ½ lb., 28c; 1 lb., 53c, postpaid. Not prepaid, 5 lbs., \$1.80; 10 lbs., \$3.50.

EDIBLE SOY BEANS

High in protein and fat, yet easily digested and utilized; and an excellent source of Vitamins A, B and G. They are used either dry or green.

KABOTT. Very early and prolific, well suited to this section. Pkt., 5c; ¼ lb., 12c; ½ lb., 21c; 1 lb., 35c, postpaid; 10 lbs., \$2.50, F.O.B. here.



Kabott Edible Soy Beans

FIELD BEANS

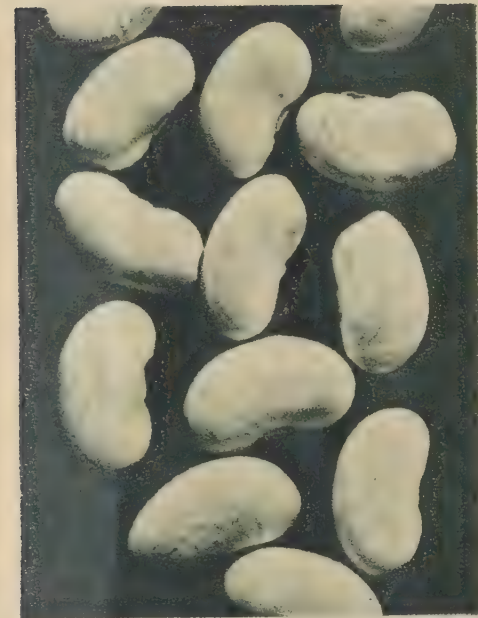
A Will Introduction GREAT NORTHERN—The Best Baking Bean

Everyone knows the Great Northern Beans, but few know that the seed was originally obtained over sixty years ago by Oscar H. Will from Son of a Star, an Hidatsa Indian, by whose tribe it had been grown for many years. Hardy, a heavy yielder and early, it is much more tender and more quickly cooked than the Navy Bean, and one of the most largely grown field Beans.

GREAT NORTHERN—IDAHO U. No. 56. A great improvement over the standard Great Northern in earliness, yield and uniformity of seed. ¼ lb., 14c; ½ lb., 22c; 1 lb., 37c, postpaid. Not prepaid, 10 lbs., \$1.80; 100 lbs., \$17.00.

GREAT NORTHERN. A good standard stock. ¼ lb., 13c; ½ lb., 20c; 1 lb., 35c, postpaid. Not prepaid, 10 lbs., \$1.70; 100 lbs., \$16.00.

Arnold Schornock
Hillsboro, N. Dak., Box 252
I just couldn't figure on a garden without Will's Seed.



Great Northern Beans

ASPARAGUS

Culture. One ounce will sow 100 feet of row. Soak seed for 24 hours before planting 1 inch deep in rows 1 foot apart. When 1 year old set plants in permanent beds. Work soil depth of 16 inches, manure heavily.

and set roots 2 feet apart in the row with rows 4 feet apart and crowns 4 inches below the surface.

MARY WASHINGTON. The very vigorous and rust resistant variety developed by the U. S. Department of Agriculture. The best yielding pedigreed strain, with large rich, dark green stalks. About 225 seeds to a packet. Pkg., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25, postpaid.



Mary Washington Asparagus

ASPARAGUS ROOTS

MARY WASHINGTON. Price, postpaid, doz., 55c; 50, \$1.85; 100, \$3.50. F.O.B. here, 50, \$1.75; 100, \$3.25.



Germaco

Hotkaps

Help You Grow Earlier, Hardier Vegetables and Flowers

Strong little individual hothouses for every plant. Increase yields, promote larger fruits and vegetables and ripen plants earlier. Made of waxed paper, protect against rain, frost, wind and insects. Quickly and easily set—directions on package. Home garden Package contains 25 Hotkaps and cardboard setter, postpaid, 90c; not prepaid, 70c. Postpaid, 100 Hotkaps, \$2.75; 250 for \$4.65; 1,000 for \$14.65; 5,000 lots at \$14.50 per 1,000. The 100 and 250 Hotkap packages contain a Fiberboard setter. Sales tax on Hotkaps for North Dakota customers.

Levi V. Larson
Braham, Minn., Rt. 1, Box 90
Will's seeds have always proved to be the very best here in our part of the country. We have been more than satisfied.

BORECOLE OR KALE

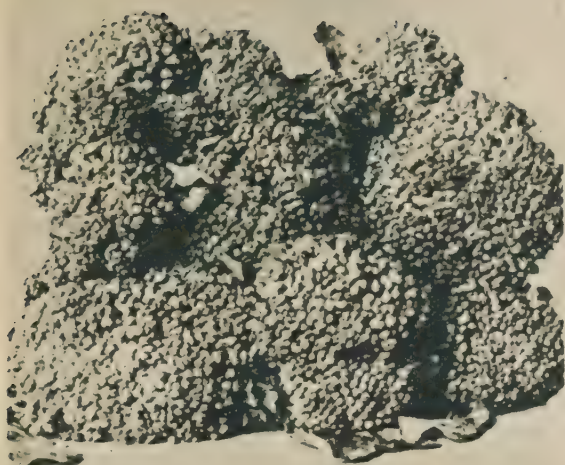
GREEN CURLED or SCOTCH. This is more hardy than cabbage and makes excellent greens for Fall and early Spring. A good frost improves the quality. About 1,300 seeds to the packet. Pkt., 10c; oz., 25c; ¼ lb., 75c, postpaid.

BRUSSELS SPROUTS

LONG ISLAND IMPROVED. Undoubtedly the best and most dependable sort of this most delicately flavored of the Cabbage family. This variety is the earliest, most dwarf and compact. Pkt., 10c; oz., 75c; ¼ lb., \$2.25.

BROCCOLI

DE CICCIO—EARLY SPROUTING. The earliest sort, fine for home garden and well adapted to freezing and canning. After the compact light green heads are cut, the plant develops numerous side sprouts terminating in small green heads for further use. Pkt., 10c; oz., 45c; ¼ lb., \$1.40, postpaid.



Green Sprouting Broccoli

Chives

SCHNITTLAUCH (Grass Onion). The decorative perennial plants grow about ten inches high and the tops, which may be cut frequently, are used in salads and for flavoring soups and stews. Pkt., 15c; oz., 85c. To those preferring to set out plants we offer Clumps: Each 33c; doz., \$3.25, postpaid.

MUSHROOM SPAWN

Bottle Spawn. One bottle will plant 35 to 40 square feet of bed or about five times as much as one brick. Catches quicker and handles easier than brick spawn. Bottle Spawn is shipped removed from glass containers. Per bottle, \$1.25, postpaid.

Cress

UPLAND. For salads and garnishing. Pkt., 10c; oz., 35c, postpaid.

Endive

MAMMOTH GREEN CURLED. The standard variety with finely divided leaves which give the plant a mossy appearance. Endive is coming rapidly into favor for greens because of its excellent flavor. Pkt., 10c; oz., 25c; ¼ lb., 80c, postpaid.

BROAD LEAVED BATAVIAN or ESCAROLE. One of the best varieties for salads. Pkt., 10c; oz., 25c; ¼ lb., 80c, postpaid.

EGGPLANT

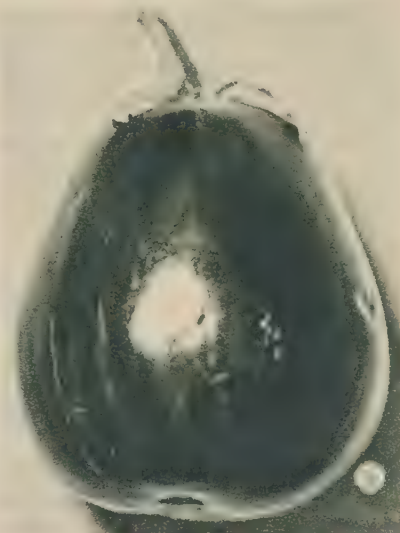
Culture: Sow the seed (which is slow to germinate) in hotbed or indoors in boxes early in spring. When all danger of frost is past, transplant in open ground 2 to 3 feet apart.

KOREAN EGG PLANT. (See picture on Page One.) The earliest Egg Plant we have grown and a very heavy yielder. The purplish black fruits are about 7 inches long by 3 inches in diameter. Pkt., 20c; 2 pkts., 35c.

NEW HAMPSHIRE. An All American Silver Medal Winner when introduced. For earliness and heavy yield try this one. The rich, dark purple colored fruits are good sized although a trifle smaller than Black Beauty and two weeks earlier. Pkt., 15c; oz., 85c; ¼ lb., \$2.45, postpaid.

BLACK BEAUTY. Until the introduction of New Hampshire this was the earliest of the large type Egg Plant. The fruit is a very uniform dark purple, the size is large and uniform and the color and texture hold for an unusually long time. Pkt., 15c; oz., 85c; ¼ lb., \$2.45, postpaid.

For Egg Plant plants See Page 57.



Black Beauty

Leek

LARGE LONDON or FLAG. Sow early in a bed. When 6 inches high, trim off tops and transplant in rows 4 inches apart. Pkt., 10c; oz., 55c, postpaid.

Okra

CLEMSON SPINELESS. A very early and prolific variety of this favorite southern vegetable. Easily grown in North Dakota. Pkt., 10c; oz., 20c; ¼ lb., 60c, postpaid.

KOHL-RABI

EARLY WHITE VIENNA. This best Kohl Rabi is extra early and easily grown. The nearly white bulbs are firm and distinctly sweet, and when cooked are crisp, tender and most delicate and tasty. Use when about the size of a hen's egg. Pkt., 10c; oz., 35c; ¼ lb., \$1.05.



Early White Vienna Kohl-Rabi

BEET

DETROIT DARK RED. The best main crop beet. The roots are smooth, medium sized, globe-shaped. The skin is a dark blood red and the flesh is a solid vermilion-red with no zoning. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.05; lb., \$1.80, postpaid. Not prepaid, 5 lbs., \$7.75.

PERFECTED DETROIT. Well adapted for market or canning, with good color and heavy yield, and heavier tops than our strain of Detroit Dark Red. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.10; lb., \$1.90, postpaid. Not prepaid, 5 lbs., \$8.25.

SUGAR BEET

WHITE SUGAR. A most desirable and extensively grown Sugar Beet. The roots are wedge shaped, 12 to 15 inches long, and about 4 inches thick at the shoulder. The skin is grayish white and the flesh pure white. With very high sugar content and good keeping qualities, this is not only a source of sugar, but an excellent stock food and milk producer. Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.25, postpaid. Not prepaid, 5 lbs., \$5.25.

We plant mangels around our hog lot. Over the fence is in—to the hogs.



Detroit Dark Red Beet

For late planting, soak seeds in water for a few hours. It will ordinarily hasten emergence by several days.

Mangels or Stock Beets

A cheaply produced, heavy yielding, highly valuable feed for stock and poultry.

Culture. Sow in May or early June in deep mellow soil, about $1\frac{1}{2}$ inches deep, in rows $1\frac{1}{2}$ to 2 feet apart. Four to six pounds are required to the acre.

The following Mangels are priced: Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.25, postpaid. Not prepaid, 5 lbs., \$5.25.

MAMMOTH LONG RED. The heaviest yielder and most popular of all Mangels. The light red roots are pinkish fleshed and grow well out of ground. Yields run as high as fifty tons to the acre.

GIANT HALF SUGAR ROSE. The long, oval, white fleshed roots are white skinned with rose-colored shoulder. This type combines in considerable degree the sugar content of the sugar beet and the size of the mangel.

GOLDEN TANKARD. A variety noted for its milk producing properties. The cylindrical roots grow well out of the ground and yield well on light soil. The flesh is yellow zoned with white.

GOLDEN GIANT or DANISH SLUDSTRUP. A very high yielder, the long oval roots are reddish yellow with white flesh, growing more than half above ground and easily harvested.

The Mangels above are priced: Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.25, postpaid. Not prepaid, 5 lbs., \$5.25.

We shall appreciate notification by our customers of any change in address or duplication of catalogs.



Golden Giant

BEETS

Culture: Sow from April 15th to July 15th, covering 1 inch deep. Thin to 4 to 5 inches apart in the row. Thinning can be done gradually for greens and small beets. One ounce will sow 75 feet of row; six pounds, an acre. About 450 seeds in a packet.

IMPROVED BLOOD TURNIP BEET.

This is an exceptionally fine

strain of Crosby's Egyptian. The roots are somewhat flattened though globular, and the skin a very dark red in color. The flesh is of a slightly lighter shade and lightly zoned. The best first early Beet and a good keeper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; lb., \$1.75, postpaid. Not prepaid, 5 lbs., \$7.50.

EARLY WONDER or BOSTON CROSBY.

This selection from Crosby's Egyptian is not as early as the Improved. The roots are very uniform and more nearly globe-shaped with very small top and tap root, dark red skin with deep blood-red flesh and very little zoning. A very popular variety with market gardeners and unexcelled for the home garden. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; lb., \$1.75, postpaid. Not prepaid, 5 lbs., \$7.50.

Small Green young Beets cooked with their equally tender tops are delicious and rich in vitamins.



Early Wonder Beet

For continuous supply of young and tender beets make several sowings

OHIO CANNER.

This deep blood red Beet is free from zoning, flattened globe in shape, uniform in growth, tender, sweet, the most handsome Beet when canned that we know and outstanding for interior color. A desirable sort for all purposes. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.10; 1 lb., \$1.90, postpaid. Not prepaid, 5 lbs., \$8.25.

SWISS CHARD

LUCULLUS. To our mind the best vegetable that can be raised for greens. The crumpled, rich green outside leaves are picked off and the plant yields a constant crop from July well into September. The leaves are large and picking a mess of Swiss Chard for greens is short work. The thick broad stems may be cooked like asparagus or used for pickles. This is the most popular sort and gives big returns with little care. Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 80c; 1 lb., \$1.40, postpaid.



Improved Blood Turnip

GREEN TOP BUNCHING.

An early, extremely attractive Beet with clean, grayish green foliage. The roots are round, smooth and glossy; the flesh bright blood red, finer and less fibrous than most Beets. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.10; 1 lb., \$1.90, postpaid. Not prepaid, 5 lbs., \$8.25.



Swiss Chard Lucullus

Cabbage

Ask for Prices on Quantities Larger Than Listed

Culture: For early plants sow seed in boxes indoors or in hot bed, allowing 6 to 7 weeks from sowing to setting in the open ground. Some recommend planting the seeds in the field, 3 or 4 seeds to a hill and leaving the strongest plant. One ounce of seed will produce from 1500 to 2000 plants in open ground, 3000 in frames. 4 to 6 ounces of seed is required to produce plants for an acre.

EARLY VARIETIES

For early use we recommend especially Golden Acre and Copenhagen Market; for late use, Danish Ballhead.

GOLDEN ACRE—Earliest of All

First of the Copenhagen Market type by ten days, this is the earliest round headed Cabbage. The plants are dwarf and compact. The heads weigh about 3 pounds, are round as balls, solid, very uniform and sweet. If you want the earliest Cabbage and the top prices that go with it, plant our Golden Acre. Pkt., 10c; oz., 40c; ¼ lb., \$1.15; ½ lb., \$2.15; 1 lb., \$4.00, postpaid.



Golden Acre

CHIEFTAIN SAVOY

An early Savoy with round, medium sized heads. The much crumpled leaves are dark green. Savoy Cabbage is of distinct and delicate flavor. Pkt., 10c; oz., 45c; ¼ lb., \$1.45, postpaid.

EARLY JERSEY WAKEFIELD

A standard, widely grown sort and the earliest pointed variety. The conical heads are solid and the small outer leaves permit close planting. Pkt., 10c; oz., 40c; ¼ lb., \$1.15; ½ lb., \$2.15; 1 lb., \$4.00, postpaid.

For clean Cabbage watch for the white Cabbage moths. They lay eggs that graduate into Cabbage worms. Dust with Garden Guard or Will's Bugex when you see the moths hovering and at intervals thereafter.



Early Dwarf Flat Dutch



Copenhagen Market

COPENHAGEN MARKET

This is in our opinion the heaviest yielding and best quality Cabbage that can be grown. A dependable yielder of smooth, round, even sized heads, valuable for either extra early or main crop use. The plant is short stemmed and compact, leaves medium light green, and the heads average about 4 pounds. Pkt., 10c; oz., 35c; ¼ lb., \$1.05; ½ lb., \$1.90; 1 lb., \$3.50, postpaid.

GREEN ACRE. A greener Golden Acre with smooth, solid, rich green color. Pkt., 10c; oz., 40c; ¼ lb., \$1.45; ½ lb., \$2.75, postpaid.



Early Jersey Wakefield

EARLY DWARF FLAT DUTCH. A fine second early for home and market garden. A sure header, the solid heads are medium green in color and flattened globe shaped, weighing from 4 to 5 lbs. This variety stands heat. Pkt., 10c; oz., 40c; ¼ lb., \$1.15; ½ lb., \$2.15; 1 lb., \$4.00, postpaid.

EARLY ROUND RED DUTCH. Early, solid and a good keeper, the heads average 5 to 6 inches in diameter. Pkt., 15c; oz., 60c; ¼ lb., \$1.50, postpaid.

FOR CABBAGE PLANTS, SEE PAGE 58.

Your Will's Garden will pay big dividends

More Early CABBAGE

GLORY OF ENKHUIZEN. Attractive globe shaped heads, exceptionally firm and solid, and weighing from 6 to 8 pounds. A good keeper, largely planted for medium early and main crop, and fine for kraut. Pkt., 10c; oz., 35c; ¼ lb., \$1.05; ½ lb., \$1.90; 1 lb., \$3.50, postpaid.



Glory of Enkhuiizen

**PROTECT
YOUR
PLANTS**

**DUST
WITH
GARDEN
GUARD**

See Page 79



Danish
Ballhead

Later CABBAGE

DANISH BALLHEAD

Short Stem or Hollander. This variety

is one of our specialties and the most widely used and finest late Cabbage grown. Very hardy, the deep round, pale blue-green heads weigh from 6 to 7 pounds, are crisp, tender and sweet, and of finest quality. This variety is outstanding for its solidity and fine keeping qualities. Pkt., 10c; oz., 40c; ¼ lb., \$1.15; ½ lb., \$2.15; 1 lb., \$4.00, postpaid.

PENN STATE BALLHEAD

Largest of the ballhead types,

this is notable for its heavy yield and excellence for winter storage and for making kraut. The uniform heads are a flattened globe shape. Pkt., 10c; oz., 40c; ¼ lb., \$1.15; ½ lb., \$2.15; 1 lb., \$4.00, postpaid.



Selected Premium Flat Dutch

MICHIHLI CHINESE CABBAGE



A new variety, more uniform, surer and firmer heading, crisp and fine flavored. Best results in this section are obtained by planting about June 20th. This is an excellent salad plant and fine when boiled as you would Cabbage. Pkt., 10c; oz., 50c; ¼ lb., \$1.65, postpaid.

NEPONSET PRODUCTS

VITAPOTS. Tough, nutrient treated, light weight. Just the thing for starting and growing on bedding and vegetable plants. 3-Inch size, dozen, 35c; 100, \$1.95, postpaid. Not prepaid, per thousand, \$17.20.

NEPONSET RED POTS. Made from moisture-resistant fibre, fine for shipping, but cannot grow plants in them more than 4 or 5 weeks. 3-Inch size, dozen, 28c; 100, \$1.35, postpaid. Not prepaid, per thousand, \$10.00.

VITABAND 10. A nutrient treated band, fine for starting plants and growing them on for 8 to 10 weeks. 2½ inches square by 3 inches deep, 100, postpaid, 90c. Not prepaid, per thousand, \$5.75. 3 inches square by 3 inches deep, 100, postpaid, \$1.05. Not prepaid, per thousand, \$7.00.

VITABAND 40. A plant band with a more liberal supply of built-in nutrients to promote vigorous and sturdy growth. Sturdy construction reduces watering frequency and prevents transplant setback. 2½ inches square by 3 inches deep, 100, postpaid, \$1.45. Not prepaid, per thousand, \$11.00. 3 inches square by 3 inches deep, 100, postpaid, \$1.65. Not prepaid, per thousand, \$13.10.



Healthful CARROTS Tasty

Culture: Plant $\frac{1}{2}$ inch deep in well prepared soil, cultivate as soon as plants are well established, and thin to 3 or 4 inches apart in the row. Plantings may be made from early spring to the middle of June. 3 to 5 pounds to the acre.

CORELESS. The most delicately flavored and strikingly handsome early carrot we know. The deep orange roots are exceptionally smooth, cylindrical, 6 inches long by $1\frac{1}{2}$ inches in diameter, and free from woody heart or core. This is worth a trial. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c; $\frac{1}{2}$ lb., \$1.70; 1 lb., \$3.20, postpaid.

Mrs. Adolph Solberg,
Route 2, Oklee, Minn.

I've used your seed for many years and have had good luck and the flower seed cannot be beat.

Carrots
are
Easily
Grown,
Heavy
Yielding
and
Health
Giving



Danvers Half-Long Carrot

Coreless Carrot

DANVERS HALF LONG.

The best known second early half long sort, a great yielder and a first class carrot for all soils. The roots are smooth, from 6 to 8 inches long, tapering to a blunt point, a deep orange in color, with close texture flesh and little core. Although the roots are comparatively short, they yield as heavily as the larger sorts. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.35; 1 lb., \$2.40, postpaid.

IMPROVED LONG ORANGE. A standard heavy cropping stock, the orange-red roots grow 10 to 12 inches long, 3 inches thick at the shoulder, tapering to a point, smooth, sweet and fine grained. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.35; 1 lb., \$2.40, postpaid.

CHANTENAY or MODEL RED CORED.

This is an excellent medium early half-long, stump rooted variety. The roots are smooth and are from 5 to 6 inches long, with rich orange-red flesh of the finest quality. It is a great favorite with market gardeners. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.35; 1 lb., \$2.40, postpaid.

IMPERATOR or TENDERSWEET.

One of the finest varieties, always sweet, tender and brittle, the roots are from 7 to $8\frac{1}{2}$ inches long, 2 inches in diameter at the shoulder and uniformly tapered to a semi-blunt end. The flesh is rich orange with indistinct core. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.35; 1 lb., \$2.40, postpaid.



Chantenay Carrot

Mrs. Agnes Peterson,
Star Rte., Grand Rapids, Minn.

Those Firesteel Tomatoes have been wonderful. Very free from blight and the green ones are brought in to ripen and slice later.

Tree and Pot or
Garden Labels

	Doz.	100	1000
2 $\frac{1}{2}$ Inch, Iron Wired Tree Labels,			
Plain	10c	45c	\$3.00
6 Inch, Painted Pot or Garden			
Labels	15c	55c	4.50



Imperator
or
Tendersweet

OXHEART or GUERANDE.

One of the most valuable and popular varieties. When fully

grown the type is about 5 ½ inches long, 3 ½ inches thick at the shoulder and about 2 inches thick at the bottom. With bright orange flesh, fine grained and sweet, it is of fine quality for table use and equally good for stock. It is very easily dug or pulled and is one of our heaviest yielding carrots. Pkt., 10c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.40, postpaid.



Stensballe

STENSBALLE.

The heaviest yielding table Carrot grown in

Denmark, famed for her fine root crops. The roots are 8 to 9 inches long and nearly cylindrical with very light core.

This top quality variety is unexcelled for home and market garden. Pkt., 10c; oz., 35c; ¼ lb., 90c; ½ lb., \$1.70; 1 lb., \$3.20, postpaid.

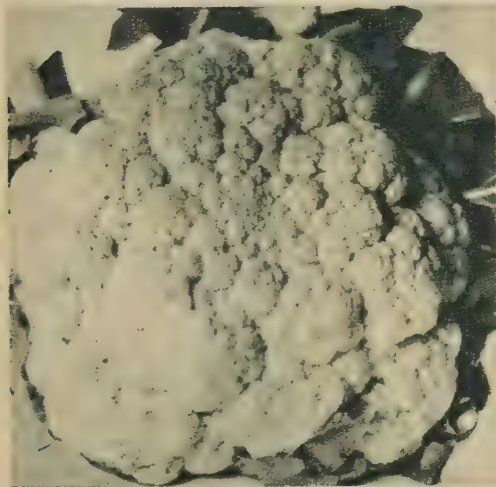


Oxheart Carrot

One of the Most Profitable Crops for Market and Small Gardeners

Cauliflower

CULTURE: Cauliflower culture is practically the same as that of Cabbage. One ounce of seed will produce 1500 to 2500 plants. Allow 6 weeks from time of sowing indoors or in hotbed to setting plants in the field in the latter half of May or early June. Gather and tie tops of leaves loosely together as soon as the heads begin to form.



Super Snowball

QUARTER AND HALF OUNCES AT OUNCE RATE

SNOWDRIFT or WHITE MOUNTAIN. True Snowball type, very vigorous and one of the surest headers, with heads well protected by inner folding leaves. Pkt., 15c; oz., \$2.75.

EARLY SNOWBALL. The earliest cauliflower, short leaved with medium sized heads, snow white, deep, smooth and compact. Pkt., 15c; oz., \$2.35.

Early Snowball

Dust Cauliflower
regularly
with Bugex

DANAMERICA SUPERSNOWBALL. Our most reliable header and uniform Cauliflower, ten days later than SuperSnowball. The plants are short stemmed with profuse protecting foliage. The heads are deep, very firm and heavy. Pkt., 25c; oz., \$3.50.

SUPER SNOWBALL. Very uniform and dependable. The plants are vigorous and very sturdy. The deep heads are large, pure white and of fine flavor. Pkt., 20c; oz., \$3.00.

John Gorman
Adrian, N. Dak.

I planted the Coreless Carrots last year and was very well pleased with yield, flavor and keeping quality. I believe they would also be nice to can.



For Cauliflower Plants, See Page 58.

**EARLIEST
HARDIEST
QUALITY**

SWEET CORN

**OUR
SPECIALTY**

CULTURE: Plant in drills about 3 feet apart, one kernel every 8 inches; or in hills 3 to 3½ feet apart each way, dropping 4 or 5 kernels to a hill. Sweet Corn should not be planted until the ground is fairly warm. One-fourth pound to 100 hills; 8 pounds per acre. One pound of Sweet Corn is a little more than a pint.

Will's Sweet Corn Collection

This collection is designed to give the longest possible succession of Sweet Corn. Plant all six sorts at the same time.

ORCHARD BABY WILL'S EARLIEST PIONEER HYBRID
EARLIGOLD WILL'S PIONEER SUN HYBRID
LINCOLN GOLDEN CROSS HYBRID

2 Ounces of Each of **65c** The Price of the Collection, Postpaid

HYBRID SWEET CORN

More Vigorous, Uniform, and Heavier Yielding



Earligold Hybrid

WILL'S EARLIEST PIONEER HYBRID. 63 days. Of Golden Gem type, this is the earliest hybrid we know. The eight rowed, golden ears are very uniform, extra early, and of good quality. Pkt., 10c; ¼ lb., 26c; ½ lb., 47c; 1 lb., 78c, postpaid. Not prepaid, 5 lbs., \$3.00; 10 lbs., \$5.80.

EARLIGOLD HYBRID. 72 days. A very early, large eared, heavy yielding yellow hybrid Sweet Corn. The uniform golden ears are 6½ to 7 inches long with 12 to 16 rows of kernels. A most satisfactory combination of earliness, size and quality. Pkt., 10c; ¼ lb., 21c; ½ lb., 38c; 1 lb., 67c, postpaid. Not prepaid, 5 lbs., \$2.20; 10 lbs., \$4.20.

WILL'S PIONEER SUN HYBRID. 75 days. Of Sunshine type, this is a large eared, golden sweet corn of fine flavor. Pkt., 10c; ¼ lb., 26c; ½ lb., 47c; 1 lb., 78c, postpaid. Not prepaid, 5 lbs., \$3.00.



Golden Cross Bantam

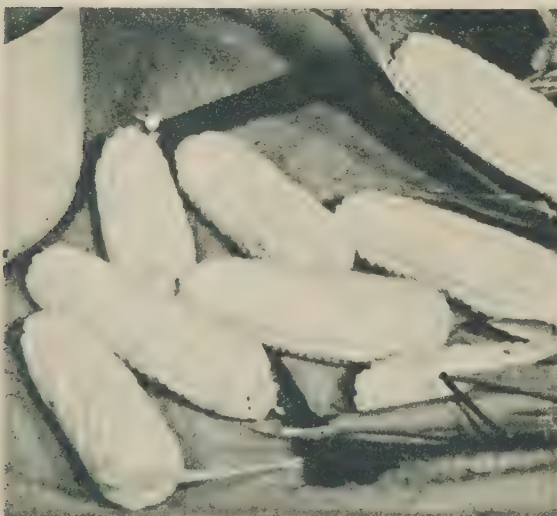
LINCOLN. 80 days. All American Bronze Medal Winner. This rich yellow hybrid is about a week earlier than Golden Cross Bantam, is wilt resistant, drouth tolerant and of good quality. Pkt., 10c; ¼ lb., 22c; ½ lb., 38c; 1 lb., 69c, postpaid. Not prepaid, 5 lbs., \$2.35; 10 lbs., \$4.50.

GOLDEN CROSS BANTAM

85 days. A heavy yielding, large eared hybrid developed at Purdue University in conjunction with the U. S. Department of Agriculture. About 2 weeks later than our Golden Bantam with very uniform ears. This is resistant to Stewart's disease or Wilt and is the most widely used hybrid. Pkt., 10c; ¼ lb., 20c; ½ lb., 36c; 1 lb., 65c, postpaid. Not prepaid, 5 lbs., \$2.15; 10 lbs., \$4.10.

STANDARD or OPEN-POLLINATED SWEET CORN

Excellent varieties often preferred for the home garden



Orchard Baby

ORCHARD BABY. 60 days. The Earliest Sweet Corn, the dwarf plants produce small golden ears of truly high quality. This variety has shown up as the earliest sweet corn in trials over a wide area. Pkt., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 65c, postpaid. Not prepaid, 5 lbs., \$2.10; 10 lbs., \$4.00.

GOLDEN GEM. 67 days. Very early. Ten days earlier than Golden Bantam, the 8 rowed ears are 6 to 7 inches long, deep yellow and exceptionally sweet. Pkt., 5c; ¼ lb., 14c; ½ lb., 24c; 1 lb., 42c, postpaid. Not prepaid, 5 lbs., \$1.40; 10 lbs., \$2.75; 50 lbs., \$11.75.

COMMANDO. A cross from our seed plots—Golden Gem crossed with the very early, but tall growing Russian yellow flint. Good size combined with extreme earliness, good habits and good quality. Pkt., 5c; ¼ lb., 16c; ½ lb., 25c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.55; 10 lbs., \$3.00.

**EARLIEST
HARDIEST
QUALITY**

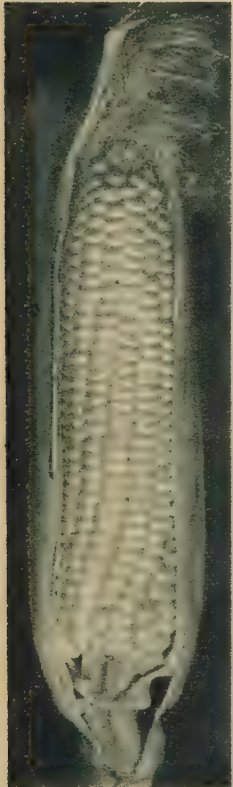
SWEET CORN

**OUR
SPECIALTY**



Will's Early June

WILL'S EARLY JUNE. 72 days. The Earliest White Sweet Corn. A very dwarf and amazingly early variety bred by us for a short season, and a true and delicious Sweet Corn. The white, eight rowed ears are from 4½ to 6 inches long. Pkt., 5c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.60; 10 lbs., \$3.00; 50 lbs., \$12.50.



Sunshine

WILL'S NUETTA. 75 days. The hardiest Sweet Corn, and the most productive variety we have. The dry seed is red, but when fit for table, the 7 inch long, 8 to 10 rowed ears are a rich golden yellow and of fair quality. Our original seed was obtained from a Mandan Indian over 40 years ago. Pkt., 5c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.60; 10 lbs., \$3.00.

SUNSHINE. 76 days. Larger eared, yet as early as standard strains of Golden Bantam. The 12 to 14 rowed, golden yellow ears are 8 in. long, and thick, golden yellow kernels are very sweet and tender. Developed at the North Dakota Experiment Station by Professor A. F. Yeager. A great Corn for the home and market garden. Pkt., 5c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.60; 10 lbs., \$3.00; 50 lbs., \$12.50.

GOLDEN BANTAM—Great Plains Strain. 72 days. A recombination of a number of smut-resistant selfed strains. This corn has been developed for earliness, drouth resistance, vigor, smut resistance, short shanks and the characteristic of two ears to a stalk. Our original stock seed was obtained from the Bureau of Plant Industry, Northern Great Plains Field Station, Mandan, N. Dak. It is far ahead of any other Golden Bantam we have seen. Pkt., 5c; ¼ lb., 15c; ½ lb., 26c; 1 lb., 47c, postpaid. Not prepaid, 5 lbs., \$1.70; 10 lbs., \$3.20.

GOLDEN BANTAM—Standard Strain. 76 days. The best and most popular Sweet Corn. Dependable, of highest quality, the broad, deep, tender golden kernels are rich and delicious. Ours is earlier than most strains of Golden Bantam. The 8 rowed ears are 6 to 7 inches long, very sweet, tender and delicious and remain edible for a long time. It is a heavy producer. Pkt., 5c; ¼ lb., 14c; ½ lb., 24c; 1 lb., 42c, postpaid. Not prepaid, 5 lbs., \$1.40; 10 lbs., \$2.70; 50 lbs., \$11.50; 100 lbs., \$22.00.



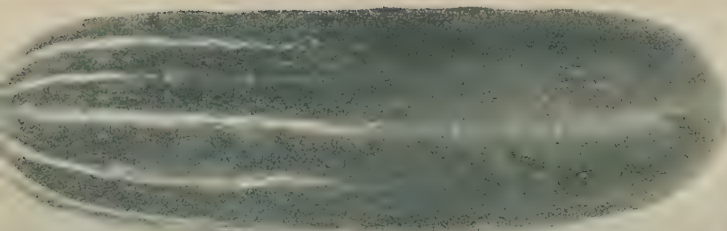
Will's Banana Cream

WILL'S BANANA CREAM. 85 days. Medium late, delicious, large eared creamy white Sweet Corn of outstanding quality. Pkt., 5c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.60; 10 lbs., \$3.00.

STOWELL'S EVER-GREEN. 95 days. The Standard White Late Sweet Corn. The 8 inch ears are usually 16 rowed with very sweet, deep, white kernels. Besides its table uses, the rank fodder that characterizes this variety makes it extremely valuable for the dairy herd. Pkt., 5c; ¼ lb., 14c; ½ lb., 24c; 1 lb., 42c, postpaid. Not prepaid, 5 lbs., \$1.45; 10 lbs., \$2.70; 50 lbs., \$11.00.

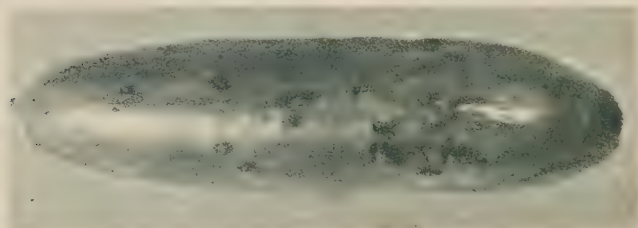
**Golden
Bantam**

ORDER EARLY



Earliest of All

EARLIEST OF ALL. The Earliest Standard Cucumber of Quality. Prolific and desirable, the deep green Cucumbers are 7½ inches long and 2½ inches thick. Of special value to those who wish to be first on the market and a fine home garden sort. Pkt., 10c; oz., 20c; ¼ lb., 55c; ½ lb., 90c; 1 lb., \$1.60, postpaid.



Marketer

MARKETER. 8 inches long by 2¼ inches in diameter, slightly tapering at ends. Very dark green skin, with crisp, high quality flesh and small seed zone; a high yielder and extra fancy slicer. Pkt., 10c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.30; 1 lb., \$2.50, postpaid.

WHITE WONDER. An ivory white symmetrical Cucumber of fine quality. The fruits are 7 to 8 inches long and 3 inches through, white at all stages of growth. Pkt., 10c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.25, postpaid.



A & C or Colorado

EXTRA EARLY SIBERIAN. The Earliest and Hardest Cucumber. A heavy yielder and two weeks earlier than any other sort, the Cucumbers are 6 inches long by 2½ inches through, somewhat russeted when ripe. Of good quality, this sort is fine for small pickles and dills as well as for slicing. Pkt., 10c; oz., 40c.

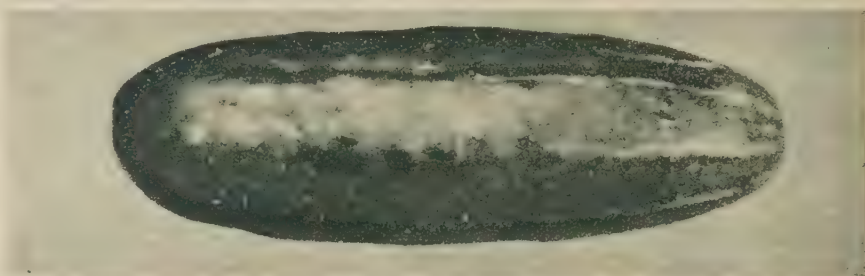
Do not use D.D.T. dusts or sprays on Cucumber vines. It harms them. Use Rotenone dusts for best results for insects, and Bordeaux to prevent or check disease.

Crisp CUCUMBERS

For Pickling and Slicing

As soon as the weather becomes warm and settled, plant one inch deep in well prepared soil in hills 4 or 5 feet apart each way with 8 to 10 seeds to a hill. Thin to 4 or 5 plants to the hill. Thorough but shallow cultivation is essential. One ounce of seed will plant about 80 hills. Cucumbers from seed in 46 to 68 days depending on variety.

HYBRID CUCUMBER. Vigorous, disease resistant, and very high yielding, producing over a long season. The smooth, symmetrical, dark green fruits average 8 inches long and 2½ inches in diameter. Pkt. of 25 seeds, 25c.



Arlington White Spine Cucumber

ARLINGTON WHITE SPINE. One of the earliest and most productive of the famous White Spine group. The medium dark green fruits are 8 to 9 inches long and 2½ inches through, rounded at the ends. Very popular as a market variety on account of its good keeping qualities and its uniformity of size and shape. Pkt., 10c; oz., 25c; ¼ lb., 65c; ½ lb., \$1.10; 1 lb., \$2.00, postpaid.



Improved Long Green

IMPROVED LONG GREEN. The standard of slicing quality and unexcelled for pickles when small. The rich, dark green fruits average 12 inches long and about 3 inches through with crisp, firm white flesh. This is one of the most popular sorts. Pkt., 10c; oz., 25c; ¼ lb., 65c; ½ lb., \$1.10; 1 lb., \$2.00, postpaid.

A & C or COLORADO. An outstandingly uniform, vigorous and high yielding variety, of ideal size, shape and quality. The rich deep green fruits are 8 to 9 inches long by two inches thick, few seeded, and hold their color unusually well. Pkt., 10c; oz., 25c; ¼ lb., 65c; ½ lb., \$1.10; 1 lb., \$2.00, postpaid.

EARLIEST WHITE. Very early and a heavy yielder, the Cucumbers average 7 inches long, initially green, turning white as they mature, crisp and of fine quality. Pkt., 10c; oz., 40c.

WEST INDIA GHERKIN. Used exclusively for pickles and distinct from all others. The pale green oval fruits are 2 inches long by 1¼ inches through, small seeded and covered with tender spines. Pkt., 10c; oz., 35c; ¼ lb., 85c; ½ lb., \$1.50; 1 lb., \$2.80, postpaid.

WILL'S CUCUMBERS



Straight Eight

STRAIGHT EIGHT. The most desirable slicing Cucumber, an All American Gold Medal Winner and an outstandingly heavy yielder. The uniform and attractive dark green Cucumbers are 8 inches long, straight and smoothly cylindrical, well rounded at both ends and about 2 inches in diameter. This is one of the best sorts. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.25, postpaid.



Chicago Pickling Cucumbers

POPCORN

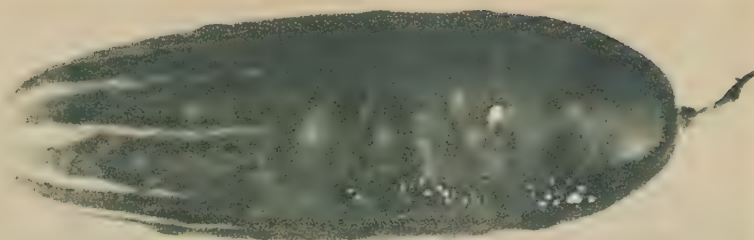
JAPANESE HULLESS. Of wonderful popping quality. This is one of the best sorts. Our North Dakota grown seed is much earlier than ordinary strains. Pkt., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.30.

Mrs. Jennie Sealy
Ashton, Idaho, Box 133

I have used your seeds for many years and I find them very good for this country.

Robert E. Sauer
Lake Itasca, Minn.

Since using your garden seeds I have never had a failure in any one of them. I recommend them to everyone who I meet that is interested in a garden.



1 2 3 4 5 6 7 8 9

Early Fortune

EARLY FORTUNE. One of the best all around Cucumbers. Extra early, rich dark green in color, of perfect quality for slicing, uniform and well shaped for small pickles, it is disease resistant, a tremendous yielder, and retains its color and quality for a long time. The full grown Cucumbers are 8 inches long and $2\frac{1}{2}$ inches through. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.



Early Fortune (Pickling Size)

NATIONAL PICKLING. A strong vined dependable producer and one of the best all around picklers. The cylindrical fruit is deep dark green, blocky at both ends, very solid and of excellent pickling qualities. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.

CHICAGO PICKLING

Sturdy, vigorous, best adapted to unfavorable conditions and the most widely grown of all the pickling varieties. It is early and the rich dark green fruits are very uniform. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.



For Dill
See Page 28

Japanese Hulless

LETTUCE

Culture: Sow as early in spring as ground can be worked, in rows not less than 15 inches apart, covering seed not over $\frac{1}{4}$ inch deep. For succession, plant every three weeks. For best head lettuce, start indoors in early spring and transplant outside. One ounce for 200 feet of drill. About 2,000 seeds to the packet.

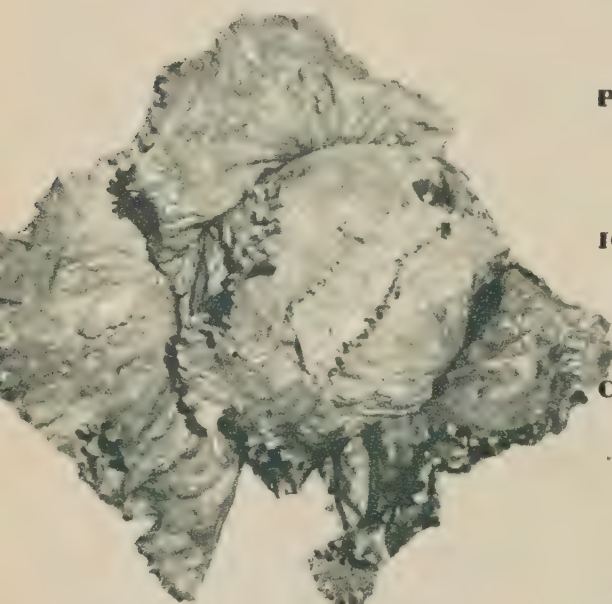
HEADING VARIETIES

GREAT LAKES. Strain 6238. An All America winner, developed by the Michigan Experiment Station and the U. S. Department of Agriculture. This crisp, solid New York type succeeds under a wide range of conditions and produces in hot weather when others fail. It is resistant to tip burn and slow to go to seed. It is an outstanding home garden sort. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.75, postpaid.

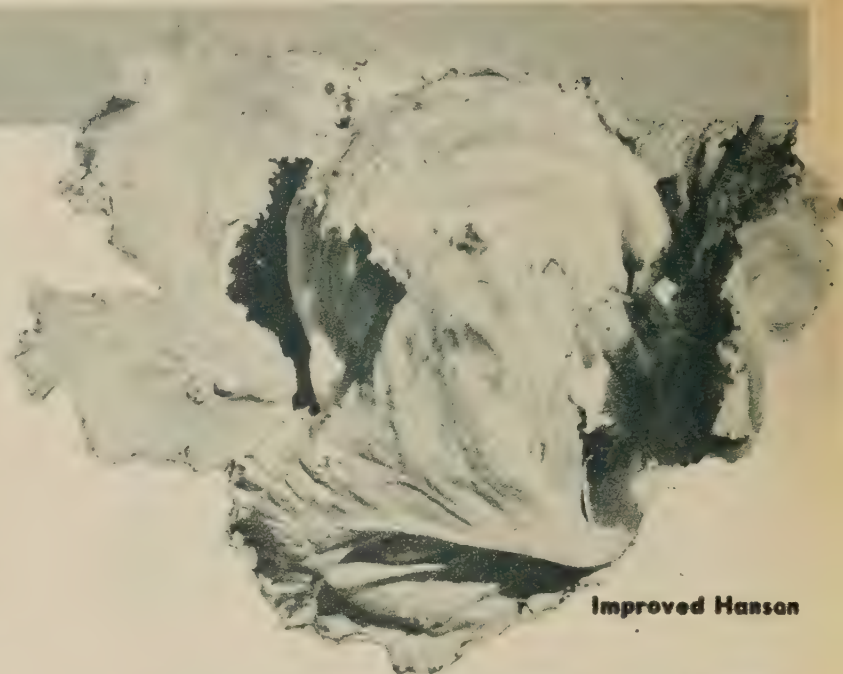
BLACK SEEDED TENNIS-BALL or SALAMANDER.

One of the surest heading sorts under all conditions. The heads are large, round, solid and of fine quality. The outer leaves are a clear medium green, broad and crumpled. Withstanding heat well, this is one of the surest heading sorts for the Northwest. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.40; 1 lb., \$2.60, postpaid.

PARIS WHITE COS. This is a distinct type of Lettuce with conical, rather tight, dark green head with smooth thick leaves. Blanches to a beautiful white inside, becoming exceedingly crisp and sweet. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c, postpaid.



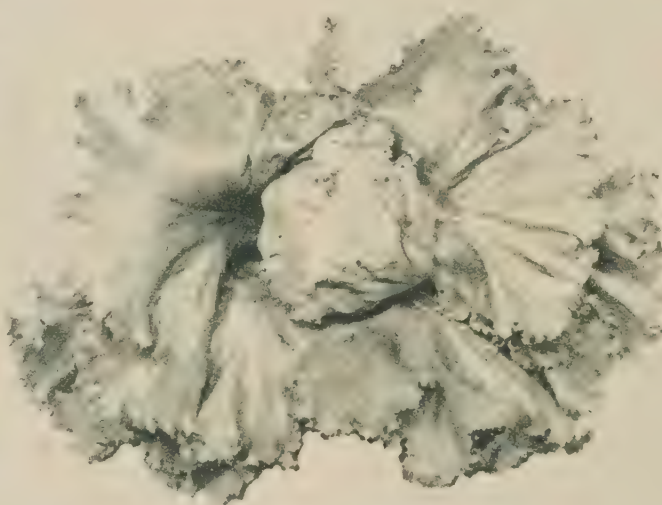
Mignonette



Improved Hanson

IMPROVED HANSON or NONPAREIL

A very reliable, sure heading variety and a vigorous grower. The large, solid heads are of fine texture, rich and sweet flavored. The light green outer leaves are much crumpled and frilled. Improved Hanson withstands heat and drouth and is slow to go to seed. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 90; $\frac{1}{2}$ lb., \$1.50; 1 lb., \$2.70, postpaid.



Great Lakes

Of all Lettuces, the heads are quite small and the outer leaves are dark green shaded with brown. One of the most delicately flavored and tender of the crisp varieties, its earliness and quality make it one of the very best sorts for the home garden. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75, postpaid.

PREMIER GREAT LAKES LETTUCE. A 1949 All American Bronze Medal Winner. Seven to ten days earlier than regular Great Lakes, smooth, uniform in heading and lacking ribbiness. Pkt., 15c; $\frac{1}{2}$ oz., 50c; 1 oz., 80c; $\frac{1}{4}$ lb., \$2.50, postpaid.

ICEBERG. A home garden sort. The heads are large, solid, crisp, tender and light green. The outer leaves are crumpled and blistered with brownish tinge along their borders. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.60; 1 lb., \$2.80, postpaid.

CRISP AS ICE or HARTFORD BRONZE HEAD. A popular home garden variety, a buttery sureheader of delicate flavor and tender quality. The outer leaves are deep green overlaid with brown. In our trials, the compact, medium sized heads of this sort seem to withstand hot, dry weather better than any other sort and do not get bitter. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.60; 1 lb., \$3.00, postpaid.

HERBS:

CARAWAY. Grown for seeds which are used in flavoring. Pkt., 10c.

CATNIP. Leaves used for seasoning. Plant this and make your cat happy. Pkt., 15c.

DILL—Long Island Mammoth. The stalks and seeds are used for pickling cucumbers. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.30.

MUSTARD—Fordhook Fancy. Foliage used for greens. Pkt., 10c; oz., 20c.

SAGE—Broad Leaved. The leaves, either fresh or dry, are used as seasoning in many ways. Pkt., 10c; oz., 75c.

SUMMER SAVORY. Leaves and flowers flavor soups and dressings. Pkt., 10c.

SWEET MARJORAM. Leaves and shoots flavor soups and dressings. Pkt., 10c.

THYME. Leaves used for flavoring. Pkt., 15c.



Dill



New York Lettuce

MORE HEAD LETTUCE

NEW YORK or WONDERFUL

The outstanding heading type—known in all markets. A large, round, solid, heavy heading Lettuce with rich dark green outer leaves. We offer two types:

New York No. 515. The earliest and surest heading. White seeded. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; ½ lb., \$1.70; 1 lb., \$3.25, postpaid.

Imperial No. 847. Originated by Dr. Jagger of the U. S. Department of Agriculture, it is blight resistant and withstands heat and tip burn. Black seeded. Pkt., 10c; oz., 35c; ¼ lb., \$1.05; ½ lb., \$1.85; 1 lb., \$3.50, postpaid.

CURLED or LOOSE HEAD VARIETIES

SLOBOLT. One of the best leaf varieties—a light green curled and fringed leaf sort developed by the U. S. Department of Agriculture. It is very slow to go to seed, stands high temperatures, and keeps its high quality longer than any other sort. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75, postpaid.

BLACK SEEDED SIMPSON. A popular quick growing, large crisp sort. The light, yellowish green leaves are frilled and crumpled, of excellent quality. Pkt., 10c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.20; 1 lb., \$2.05, postpaid.

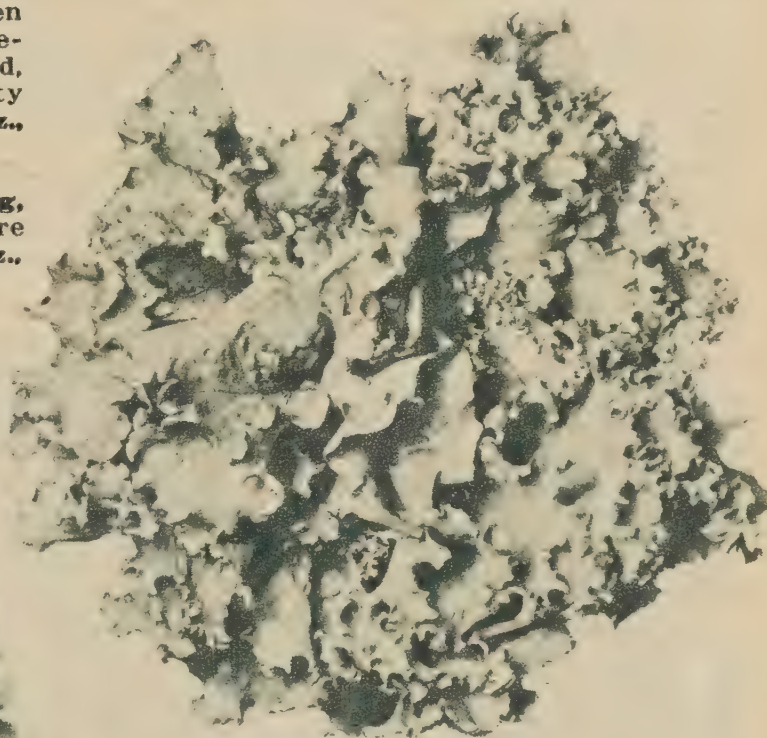


Prizehead

PRIZEHEAD. An easily grown variety and fine for the home garden. Early, compact in growth and stands heat. The inner leaves are much crumpled and frilled, bright green, with outer foliage tinged with brownish red, and very crisp and tender. Pkt., 5c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.10; 1 lb., \$2.05, postpaid.

GRAND RAPIDS. Very tender, quick growing, and fine for early planting. The crisp, curled leaves are light green, blistered and crumpled, with heavily fringed borders. Pkt., 5c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.10; 1 lb., \$2.05, postpaid.

OAK LEAF. One of the two or three most popular leaf lettuces for the home garden. Attractive and distinctive, deep green, semi-heading, long standing and very tender. Pkt., 10c; oz., 35c; ¼ lb., \$1.00, postpaid.



Early Curled Simpson

EARLY CURLED SIMPSON—WHITE SEEDED.

Early, Hardy, and Dependable, probably our best Leaf Lettuce. The plants are large, but compact. The broad leaves are a bright lustrous green, much crumpled and frilled, crisp, tender and sweet. Pkt., 5c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.10; 1 lb., \$2.05, postpaid.



Oak Leaf

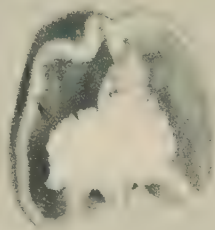
Your Choice of Hot or Sweet **PEPPERS**

Culture: Sow seed indoors or in hotbed in March, transplanting before setting in the garden the last of May. Set in rows about 2½ feet apart and about 18 inches apart in the row. About 200 seeds to the packet. Our Pepper Seed is treated to promote germination and prevent seed borne diseases.



Early California Wonder

This sort is early, hardy and prolific. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00, postpaid.



MERRIMACK WONDER. A very early and prolific, thick walled, sweet Pepper developed at the New Hampshire Agricultural Experiment Station. A heavy yielder under adverse conditions, the dark green fruits turn brilliant red when ripe. Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.00, postpaid.



King of the North

KING OF THE NORTH. An early heavy yielding, very large pepper, 6 inches long and 4 inches across, but little later than Merrimack Wonder. The dark green skin turns to rich red when ripe and the flesh is medium thick, firm and mild. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

EARLY CALIFORNIA WONDER. The high quality fruits of this early sort are good sized, blocky, smooth, mild and sweet; a bright crimson as they ripen. Pkt., 10c; oz., 60c; ¼ lb., \$2.00, postpaid.

TOMATO-SQUASH or SUNNYBROOK. The fruits are Tomato shaped, about 2 inches in diameter, with very thick and extremely mild flesh. The deep green fruits ripen to a bright red. Can be used in every way as a Pimiento Pepper. Pkt., 15c; oz., 90c.

RED CAYENNE. Long, red, hot. Pkt., 10c; oz., 50c.

**Pepper and Celery
PLANTS
On Page 58**



Golden Plume

CELERY

Culture: For early planting sow indoors in February or March. One-eighth inch of soil to cover seed is sufficient. Transplant indoors and set outside in late May, in rows 3 feet apart and 6 inches apart in the row. Celery requires enough water at all times so that its growth is not checked. Soil or boards may be used to blanch the stalks.

GOLDEN PLUME or WONDERFUL. N o . 4 1 6 2

The Best of the Self Blanching Sorts, early, large and vigorous. The plants are sturdy and compact, resistant to blight and rust, with heavy stalks and full hearts of excellent quality, blanching readily. Pkt., 15c; ½ oz., 50c; oz., 95c; ¼ lb., \$2.90, postpaid.

UTAH or SALT LAKE No. 99. The best green celery. Large, broad stalks with well developed heart, a good keeper, of fine nutty flavor. Largely used when green, but blanches quicker than most green sorts to a crisp pure white. Pkt., 15c; oz., 85c; ½ lb., \$2.60, postpaid.

GOLDEN SELF BLANCHING. Dwarf Strain. Very popular because of earliness and ease of blanching. The stalks are thick, solid and sweet, blanching to a golden yellow. This is a fine home garden variety. Pkt., 15c; ½ oz., 50c; oz., 95c; ¼ lb., \$2.90, postpaid.

GIANT PASCAL. A compact, vigorous sort, a good keeper and one of the best varieties for Fall and Winter. Pkt., 10c; oz., 70c; ¼ lb., \$2.15, postpaid.

CELERIAC OR TURNIP-ROOTED CELERY—GIANT PRAGUE.

This is a celery of which only the root is used. Should be planted like other celery, but need not be banked. An excellent vegetable for use in soups, stews and sauces, as it imparts a delicious flavor. Is good boiled separately. Pkt., 10c; oz., 70c; ¼ lb., \$2.15, postpaid.



Celeriac or Turnip-rooted Celery

Fred F. Meyer,
Box 1, Forbes, N. Dak.

We have used your seeds for years and have always been highly satisfied. Why? A bountiful harvest in the Fall that lasts until the first fresh vegetables again begin to grow is reason enough.



Improved Guernsey Parsnip

PARSNIPS

Culture. Sow as early in spring as possible, in rows not less than 18 inches apart and about $\frac{1}{2}$ inch deep. The ground should be deeply plowed and well cultivated. Thin to 4 inches apart in the row as soon as the plants are well started. A freeze improves the quality of the roots. About 1200 seeds to the packet. One ounce for 200 feet of drill; 4 to 5 pounds per acre.

SHORT THICK. The earliest Parsnip. Three inches thick at the shoulder and from 6 to 8 inches long, this fine quality sort is nearly a month earlier than any larger variety. Pkt., 8c; oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.05; lb., \$1.75, postpaid.

IMPROVED GUERNSEY or HOLLOW

CROWN. The best for general cultivation and a heavy yielder. About 3 inches thick at the shoulder and from 12 to 15 inches long, the smooth roots are fine grained, tender and sugary. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; lb., \$1.60, postpaid.

PUMPKINS

Culture. Plant in hills 6 to 8 feet apart, with 5 to 6 seeds in the hill, when the ground has become warm and the weather favorable, giving same cultivation as to melons. About 40 seeds to the packet. One ounce to 30 hills; 3 to 4 pounds per acre.

EARLY CHEYENNE. The One Pie

Pumpkin. A very early, small, orange Pumpkin developed at the U. S. Great Plains Field Station, U.S. Department of Agriculture, at Cheyenne, Wyo., from our Fort Berthold Pumpkin. Thick meated, solid and uniform, of highest quality, this is about two weeks earlier than Sweet Sugar. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.05; 1 lb., \$1.75, postpaid.

CHEYENNE BUSH. Highly productive, bush type plants with extra early, fine quality, orange fleshed pumpkins. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.05; lb., \$1.75, postpaid.

CONNECTICUT FIELD or BIG TOM. A solid, oblong, orange Pumpkin more planted with corn than any other variety and a heavy yielder. Pkt., 7c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; lb., \$1.60, postpaid.

OMAHA. A Will introduction. A very early, oblong, orange, thick meated sort. This is a selection from seed obtained through Dr. Melvin Gilmore from the Omaha Indians. Of fair quality, its earliness is its outstanding characteristic and fits it for areas where Pumpkins could not otherwise be grown. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c, postpaid.

Mrs. H. Leaderbrand,
Route 1, New York Mills, Minn.

I always have a good garden when I get my seeds from Will's.

Sweet Sugar Pumpkin



SWEET SUGAR or NEW ENGLAND PIE.

The Best Pie Pumpkin, earliest and best of the standard sorts and by far the sweetest. The pumpkins are round, slightly flattened, weighing 6 to 8 pounds apiece. The skin is a deep orange and the orange yellow flesh is thick, dry, fine grained and sweet. This is a very good keeper. Pkt., 7c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.

KING OF MAMMOTHS. The giant among Pumpkins, weighing as high as 150 lbs. A bright golden yellow, fine grained and excellent for cooking. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.05; lb., \$1.75, postpaid!



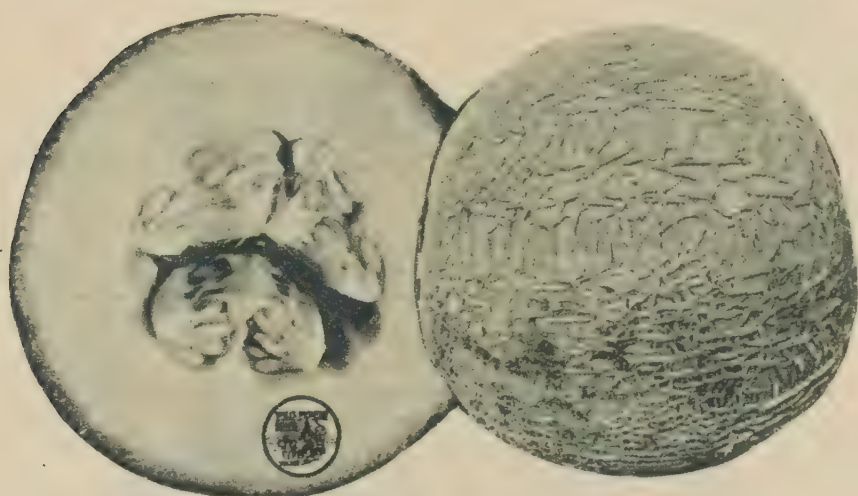
Early Cheyenne

Pumpkins are heavy producers of first class hog feed.

Early MUSKMELONS Hardy

Culture. When the ground has become warm, plant in hills about 5 feet apart each way, 8 to 12 seeds to the hill. When danger of insects is past, thin to 3 or 4 plants to the hill. Cultivate thoroughly throughout the season, not to exceed 2 inches deep. One ounce of seed to 75 hills; 2 to 3 pounds to the acre. About 125 seeds to the packet.

EXTRA EARLY OSAGE. One of the earliest salmon-fleshed varieties of quality and one of the best sorts grown. The oval fruit is dark green, slightly ribbed and gray netted, and is from a week to ten days earlier than the old Osage. The flesh is a rich orange-salmon, very thick, juicy and sweet, of very high quality. A grand sort for northwestern conditions; ideal for the home garden and a money maker for the market gardener. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.20; 1 lb., \$2.20, postpaid.



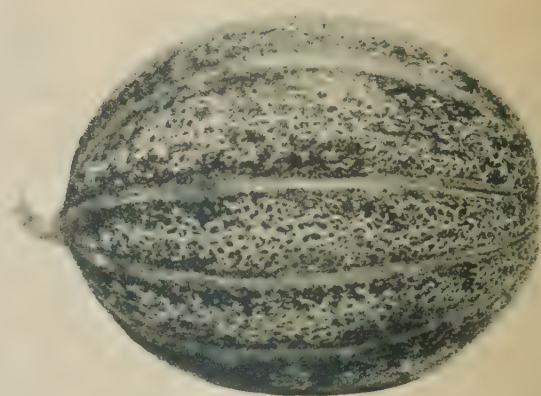
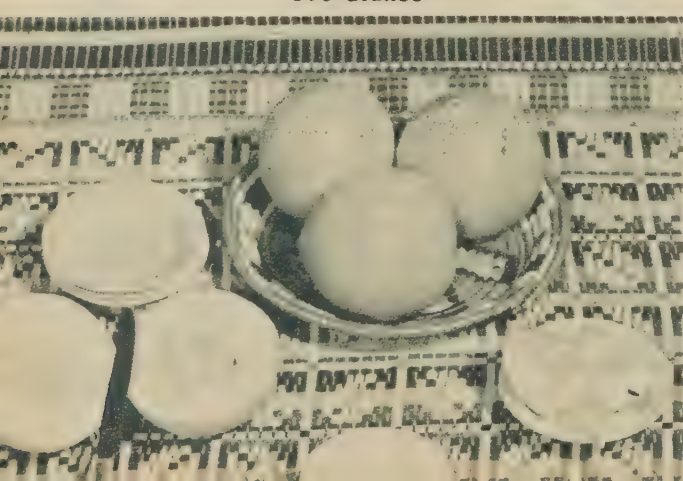
Sugar Rock or Honey Rock

EXTRA EARLY KNIGHT. The best green fleshed Muskmelon, medium sized, oval, distinctly ribbed and well netted. The flesh is fairly thick, juicy and very sweet, a medium green blending to a light pink near the center. We consider this productive sort one of the best for the Northwest. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.20; 1 lb., \$2.20, postpaid.

GOLDEN GOPHER. A smooth, ribbed oval, orange fleshed wilt resistant sort introduced by the Minnesota Agricultural Experiment Station. A melon of very high quality. Pkt., 15c; oz., 35c; ¼ lb., \$1.00, postpaid.

BOUGHEN'S SWEET. An extra early, oblong, ribbed and netted, orange fleshed, Canadian melon of very high quality. Pkt., 15c; oz., 35c; ¼ lb., \$1.00, postpaid.

Oro Blanco



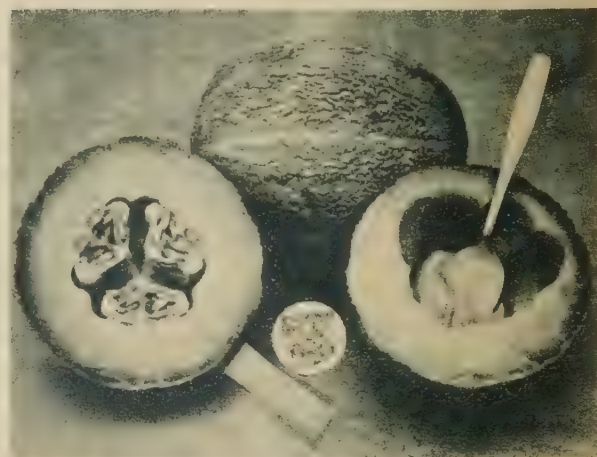
Extra Early Osage

SUGAR ROCK or HONEY ROCK.

This is one of the most delicious melons and very productive. The medium-sized, round, heavily netted Melons are of uniformly fine quality with very thick, sweet, orange flesh. The most profitable market variety. Standard Stock. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.20; 1 lb., \$2.20, postpaid.

DAKOTA STRAIN. Our own selection, a week to ten days earlier than the standard stock with equal yield and quality. Pkt., 15c; oz., 35c; ¼ lb., \$1.00, postpaid.

EMERALD GEM. An extremely early sort. The fruit is a rich emerald-green. It is globular in shape and irregularly ribbed. The flesh is very thick, salmon colored, sweet and luscious. The vines are hardy and very prolific. One of the best Melons for home garden and local market. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.20; 1 lb., \$2.20, postpaid.



Extra Early Knight

ORO BLANCO. A Persian or Casaba type Melon that will mature in the North. About five inches in diameter with golden skin, the white fleshed melons are delicious when dead ripe. Pkt., 15c.

EARLY TYE. A very early melon, oval, medium sized, ribbed and somewhat netted, the orange flesh is thick and of fair quality. A good hardy and prolific home garden melon for the Northwest. Pkt., 5c; oz., 15c; ¼ lb., 50c; ½ lb., 95c; 1 lb., \$1.75, postpaid.

VINE PEACH (Vegetable Orange or Mango Melon). This prolific fruit is the size of a medium orange, and is used for sweet pickles, preserves and pies. When cooked it is used in every way as a peach. Pkt., 10c; oz., 35c; ¼ lb., \$1.00, postpaid.

MUSKMELONS

GRANITE STATE. (See inside front cover for colored picture.) An oval, early, top quality, salmon-orange fleshed melon, developed by Dr. A. F. Yeager at the University of New Hampshire. This one is hard to beat. Pkt., 15c; oz., 35c; ¼ lb., \$1.00, postpaid.

HALE'S BEST—Jumbo. The Earliest and Best of the Rockyford Type. The medium sized, nearly round melons are heavily netted. The deep orange flesh is very thick and of rich flavor. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.20; 1 lb., \$2.20, postpaid.

LAKE CHAMPLAIN or GOLD- EN CHAMPLAIN.

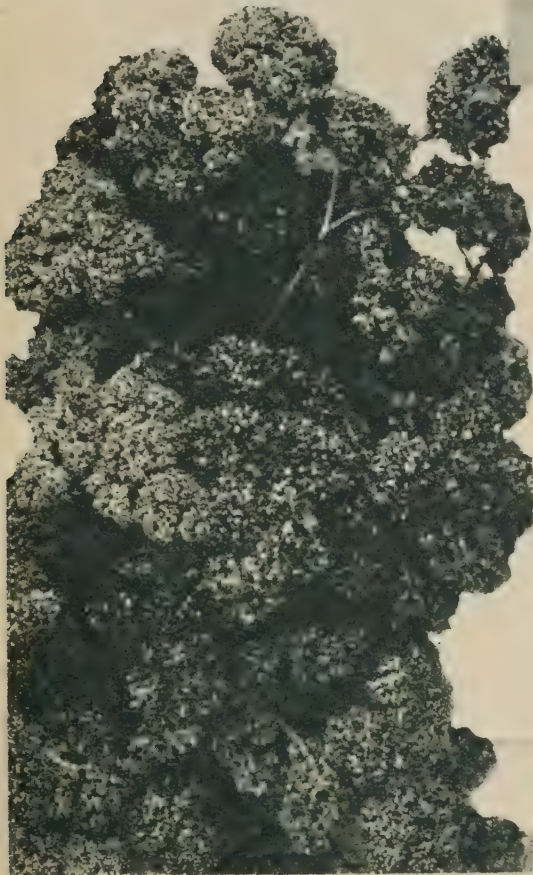
A very early variety, medium sized, round, heavily netted and moderately ribbed, with thick spicy orange flesh. A heavy yielding quality melon for home and market garden.

CHIPMAN'S STRAIN. Ten days earlier than the standard Lake Champlain and the earliest melon of good quality; developed by the late George F. Chipman, for many years editor of the Country Guide of Winnipeg, Canada. Pkt., 15c; oz., 35c; ¼ lb., \$1.00, postpaid.

STANDARD STOCK. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.20; 1 lb., \$2.20, postpaid.



Lake Champlain—Chipman Strain



Moss Curled Parsley

PARSLEY

CULTURE. Soak the seed a few hours in lukewarm water and sow early in spring in drills at least one foot apart, covering the seed not more than one-half inch. It is rather slow to germinate. About 2,000 seeds to the packet.

PARAMOUNT. A very uniform variety with tightly and finely curled leaves of unusually rich dark green. This is an outstanding sort. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.40, postpaid.

CHAMPION MOSS CURLED. Leaves beautifully curled, mosslike, of the richest green. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.40, postpaid.

TURNIP ROOTED. The roots, instead of the tops, are used for soups and flavoring meats, gives richer flavor. Pkt., 5c; oz., 20c; ¼ lb., 50c, postpaid.



Wazu

WAZU or HAILSTONE. A very early, solid, thick meated melon of exceptional flavor and quality. About five inches in diameter. This is one of the best home garden sorts we know and should be more widely planted. Pkt., 10c; oz., 30c; ¼ lb., 85c, postpaid.

DAKOTA HONEY DEW. One of the sweetest melons, good sized, round to oval, with creamy white skin. The earliest of this type and decidedly worth trying. Pkt., 15c; oz., 35c, postpaid.

RHUBARB OR PIEPLANT

MONARCH. Ours is a good strain of long service and a standard sort. The leaf stalks are numerous, from 15 to 30 inches long and full 2 inches wide. They are tender, fine of flavor and excellent for preserving. About 250 seeds to packet. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

ROOTS

MCDONALD. Very large and prolific, with few seed stalks, this makes fine flavored pink sauce. Each, 35c; doz., \$3.50. Postpaid, each, 50c; doz., \$4.50.

CANADA RED. Developed by the late Canadian plant breeder, G. F. Chipman. One of the best sorts, seedless with stems dark red clear to the heart. Produces the most beautiful red sauce. Each, 90c; 5, \$4.25. Postpaid, each, \$1.00; 5, \$4.50.

VALENTINE. A new and very fine Canadian sort. The stalks are red throughout and make sauce of attractive quality and red color. Each, \$2.15, postpaid.

Rhubarb



Will's Early WATERMELONS

CULTURE. When the ground has become warm, plant in hills 8 or 10 feet apart each way, 6 to 12 seeds in a hill; when danger of insects is past, pull out all but three or four of the largest plants. Cultivate thoroughly, about two inches deep, until the vines cover the ground. One ounce of seed for 30 hills; 3 to 5 pounds per acre.

RED RUSSIAN-EARLY KANSAS or RED HUTCHINSON. A large, nearly round, early melon weighing up to 40 pounds. The skin is dark green with lighter striping, and the bright scarlet flesh is delicious. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; lb., \$1.80, postpaid.

GOLDEN HONEY OR GOLDEN SWEET. A nearly round, medium sized melon, light green with darker green stripes. The crisp, delicious flesh is amber yellow. Pkt., 10c; oz., 30c.

ICE BOX. A fine, red fleshed, very early and hardy home garden melon of excellent flavor. It is about six inches in diameter and will go into a refrigerator without being cut. Pkt., 10c; oz., 30c; ¼ lb., 90c, postpaid.



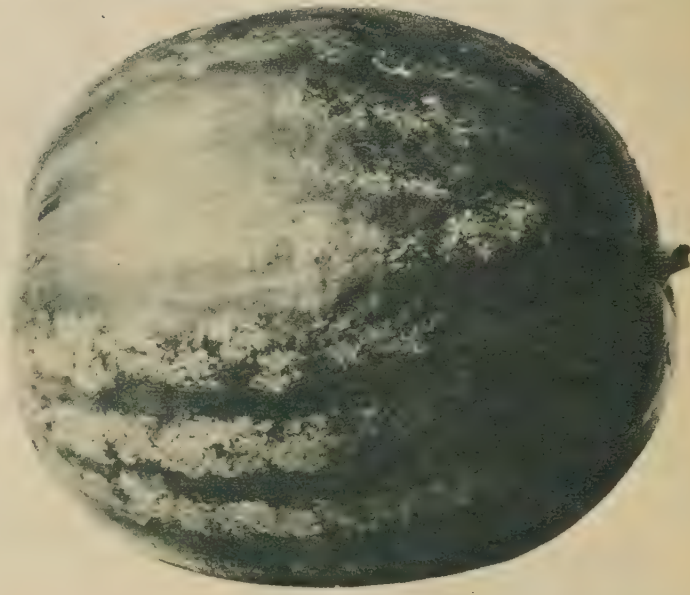
Will's Sugar

WILL'S SUGAR. Introduced by us over fifty years ago. Extra early, hardy and highly productive, this is one of the sweetest Watermelons grown. Pkt., 10c; oz., 35c, postpaid.

KLONDIKE-STRIPED NO. 11. Large, thick oblong melon, with deep red flesh of remarkable flavor—one of the very highest sugar contents of any commercial watermelon. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.10; 1 lb., \$2.05, postpaid.

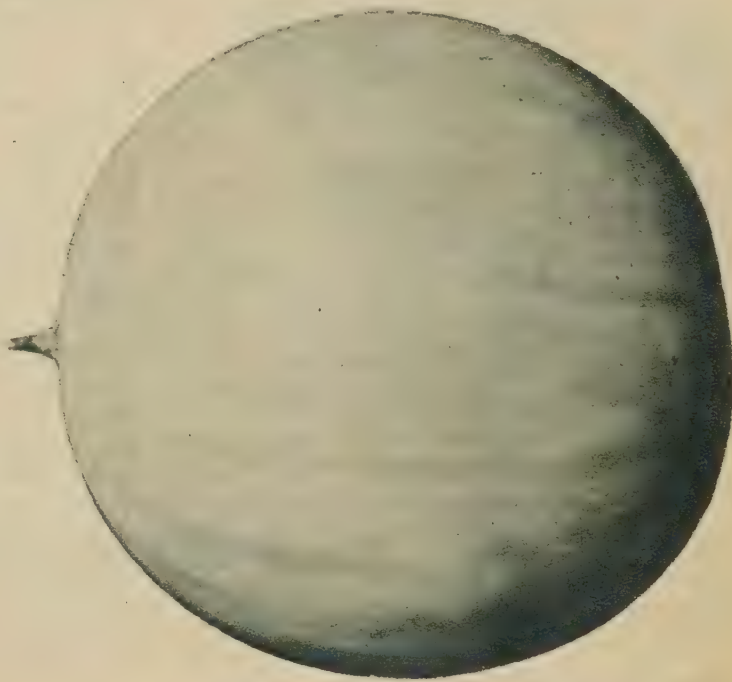
ARIKARA. The Earliest Watermelon. A sure and prolific producer of small Melons running from 7 to 12 inches in diameter with almost black skin. The pink flesh is sweet and pleasant, somewhat coarse and of fair quality. If you have trouble raising ripe Watermelons, try this one. Pkt., 10c; oz., 35c, postpaid.

CITRON. (Red Seeded.) A round, handsome fruit of small size, with white, solid flesh; it is used in making sweetmeats and preserves. Ours is the old standard strain. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.80, postpaid.



Cole's Early

COLE'S EARLY. One of the earliest and best, hardy, vigorous and a sure cropper. The blocky, oval Melons are medium sized with alternate dark and lighter green stripes. The delicious quality of the bright red flesh is sustained clear to the thin rind. This is one of the best sorts for northern gardens. Pkt., 10c; oz., 20c; ¼ lb., 55c; ½ lb., 95c; lb., \$1.70, postpaid.



Winter Queen

WINTER QUEEN. A high quality, heavy yielder of medium size, round white skinned Melons with clear bright red flesh and black seeds. Fine at maturity, if stored in a cool, dry place will keep until Christmas. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.05; 1 lb., \$1.90, postpaid.

KLECKLEY SWEET or MONTE CRISTO. One of the sweetest Watermelons, medium early, cylindrical, and tapering slightly toward the stem end, the Melons weigh up to 40 pounds. The skin is a very dark green and the rind is thin and tender. The flesh is bright red, crisp and very sweet. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.80, postpaid.

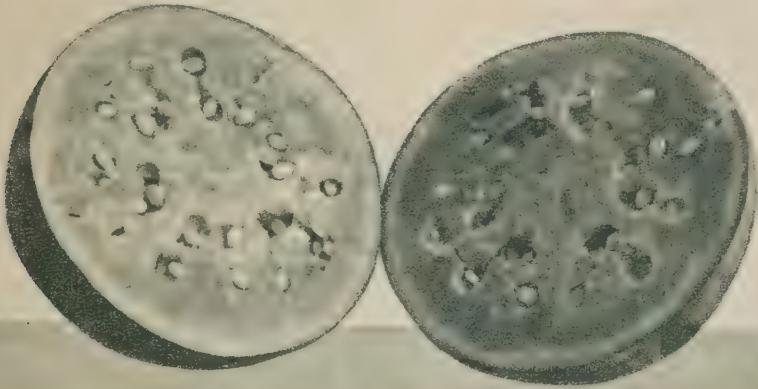


Kleckley Sweets

WATERMELON DAKOTA SWEET

Early—Hardy—Fine Quality

If there is any better melon for the Northwest, we haven't seen it. Of Russian origin, its outstanding qualities caught the eyes of Professor A. F. Yeager. Similar to Northern Sweet. The melons weigh from 9 to 14 pounds; the thin rind is medium green with darker stripes; and the flesh is bright red, crisp and very sweet. A heavy cropper and very early, ripening in 9 to 10 weeks. Melons should be picked as soon as ripe. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.10; 1 lb., \$2.05, postpaid.



Dakota Sweet Watermelon



Looking down on a 3-ton truckload of Dakota Sweets from our nursery

For Earliest Melons start in Vita-bands or Vitapots. See page 21.

ONION SETS

Write for prices on lots larger than those listed

A planting of sets for green onions, delicious early boilers or fine bulbs for winter should be in every garden. We grow our own Bottom Onion Sets at Bismarck. One pound to 60 feet of row. Unless otherwise instructed, we shall hold Onion Sets until danger of freezing in transit is past. A bushel of Onion Sets is 32 lbs., except with Top Sets, which are 28 lbs. to the bushel. Price $\frac{1}{2}$ peck and over, subject to change. Onion Set prices are for March delivery or later.



We Grow Our Own Sets at Bismarck

Mrs. Geo. Knifer
Leo, Wyoming

I have grown your Chatham Tomatoes for two years and am very pleased with them. They are so uniform and ripen even at our altitude of over 7,000 feet.

Use Bugex or Garden Guard on Melons. See Page 79.

WHITE BOTTOM ONION SETS. The mildest of the set Onions. 1 lb., 37c; 4 lbs., \$1.10, postpaid. Not prepaid, peck \$1.55; bushel \$5.00.

YELLOW BOTTOM ONION SETS. Fine for green Onions, these are surer to form large Onions than any other sets. The quality is superior and the yield is larger. 1 lb., 36c; 4 lbs., \$1.05, postpaid. Not prepaid, peck, \$1.40; bushel, \$4.75.

RED BOTTOM SETS. Fine, well cured sets. 1 lb., 36c; 4 lbs., \$1.05, postpaid. Not prepaid, peck, \$1.40; bushel, \$4.75.

TOP or WINTER ONION SETS. Perennial. Live in the ground all winter and start very early in the spring. 28 lbs. to the bushel. 1 lb., 43c, postpaid.

MULTIPLIER ONIONS. Also called Bunch Onions or Potato Onions, and very mild. Excellent for early spring Onions. 1 lb., 42c, postpaid.

GARLIC

BAVARIAN. Lb., 65c; 5 lbs., \$3.00, postpaid.

Leon H. Pettit, Rte. 1, Box 1
Bakoo, N. Dak.

We have used your seeds for 23 years and have always had a good garden.

For Onion Plants See Page 36.



WILL'S PIONEER BRAND ONION SEED

Culture: Sow as early in spring as ground can be worked, in rows not less than 15 inches apart, covering $\frac{1}{2}$ inch deep. One ounce for 300 feet of row, 4 to 5 pounds to the acre.

Early Yellow Globe

EARLY YELLOW GLOBE. The best early globe onion and the earliest of the good keepers. A large, attractive onion, deep yellow in color with mild flavor. A heavy cropper and a good winter keeper. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.20; $\frac{1}{2}$ lb., \$2.25; 1 lb., \$4.25, postpaid. Not prepaid, 5 lbs., \$20.25.

MONTANA WHITE PORTUGAL

or SILVERSKIN. The All Around widely used white Onion. The most sized, flat, hard and fine grained Onion of fairly mild flavor and clear white skin. It is popular for sets, picklers, green bunching and for fall and early winter use. Our seed has been grown for us by the same Montana grower for many years and is of exceptionally high germination and purity. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$1.90; 1 lb., \$3.50, postpaid. Not prepaid, 5 lbs., \$16.50.

For Onion Sets See Page 35



Montana White Portugal



Yellow Globe Danvers

YELLOW GLOBE DANVERS. This is a standard variety for winter use in all markets. Its skin is a rich orange-yellow; the flesh is pure white, crisp and mild in flavor. It is a dependably heavy yielder and because of its small neck cures well and makes splendid storage stock. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.20; $\frac{1}{2}$ lb., \$2.25; 1 lb., \$4.25, postpaid. Not prepaid, 5 lbs., \$20.25.



Onion Plants

ONION PLANTS

SWEET SPANISH. The best variety for our needs. Sown early in milder sections and plants lifted to produce Onions of Bermuda quality in northern gardens. We include cultural directions with each purchase. We offer Onion Plants by the bunch only. They are pulled by the handful or bunch. The number per bunch usually runs between 55 and 125 depending largely on the size of the plants. The count varies considerably and we cannot specify the number of plants in a bunch. Bunch, 37c; 2 Bunches, 63c; 5 Bunches, \$1.30; 10 Bunches, \$2.25, postpaid. Not prepaid, crate of 60 Bunches, \$9.50.

WILL'S ONION SEED

DAKOTA GLOBE. The Money Making Onion. We believe this to be the best strain of Southport Yellow Globe, the most popular and most largely grown yellow Onion. It is early, productive, uniform in its rich yellow color, small necked and an exceptionally fine keeper. The creamy white flesh is fine grained, crisp, fairly mild and of excellent flavor. One of the best sorts for the Northwest. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.20; ½ lb., \$2.25; 1 lb., \$4.25, postpaid. Not prepaid, 5 lbs., \$20.25.

EARLY GRANO or Babosa. The earliest onion, medium large, straw colored, of mild flavor, white flesh and Sweet Spanish quality. Not a keeper, but desirable for home garden and early market. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.70; ½ lb., \$3.15; 1 lb., \$6.00, postpaid. Not prepaid, 5 lbs., \$29.00.

EBENEZER. A dark yellow, flattened, medium sized Onion, mild and tender. Readily grown from seed, it is used mainly for producing superior Onion sets. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.20; ½ lb., \$2.15; 1 lb., \$4.00, postpaid. Not prepaid, 5 lbs., \$19.00.



Dakota Globe



Sweet Spanish-Utah Strain

RED WETHERSFIELD One of the oldest and best strains, a sure and heavy yielder and a good keeper. The bulbs are large, flat and a deep purplish red. The flesh is pinkish white and fairly mild. It is a favorite on poor or dry soils. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.10; ½ lb., \$2.15; 1 lb., \$4.00, postpaid. Not prepaid, 5 lbs., \$19.00.

SWEET SPANISH or VALENCIA-UTAH STRAIN

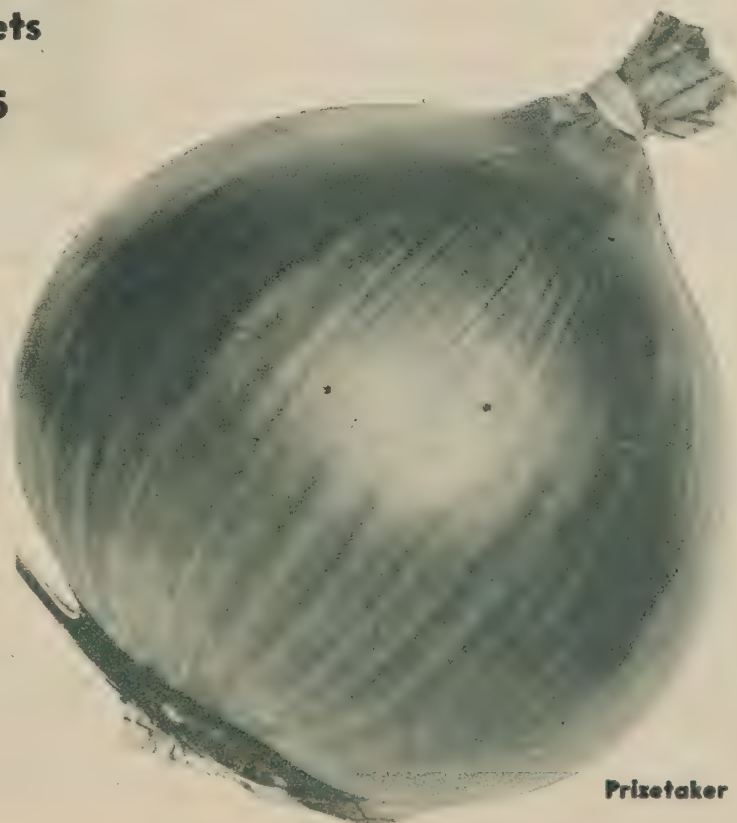
Earlier, milder and a much better keeper, this is a decided improvement over the Riverside Strain. One of the largest and finest of Onions, nearly globular, with golden yellow skin and white flesh, it is especially prized for its mildness and delicacy of flavor. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.40; ½ lb., \$2.65; 1 lb., \$5.00, postpaid. Not prepaid, 5 lbs., \$24.00.

Onion Sets
on
Page 35

SWEET BERMUDA—Excell Strain. One of the earliest onions, flat, very early and in no sense a keeper. The skin is a light straw color and the white, crisp flesh is very mild and sweet. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.40; ½ lb., \$2.65; 1 lb., \$5.00, postpaid. Not prepaid, 5 lbs., \$24.00.

PRIZETAKER. One of the largest and mildest onions grown. It is productive and a sure cropper. The thin skin is a bright straw-yellow and the flesh is pure white. Our strain grows always to a perfect globe shape, the bulbs sometimes attaining a weight of 2 pounds. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.30; ½ lb., \$2.40; 1 lb., \$4.50, postpaid. Not prepaid, 5 lbs., \$21.50.

SOUTHPORT WHITE GLOBE. This attractive, pure white, thin-skinned globe Onion commands the highest market price. Our selected strain keeps well, is firm and fine-grained. Pkt., 10c; oz., 55c; ¼ lb., \$1.40; ½ lb., \$2.65; 1 lb., \$5.00, postpaid. Not prepaid, 5 lbs., \$24.00.



Prizetaker

WILL'S CHOICEST GARDEN PEAS

Culture: Sow early in spring in rows not less than 20 in. apart, covering $1\frac{1}{2}$ to 2 inches deep. The smooth seeded sort, of which we list First of All and Alaska, will stand earlier seeding than the wrinkled seeded varieties. For freezing, plant Alderman, Laxton's Progress or World's Record. One pound will sow 100 feet of row. Inoculate all legumes with Nitragin.

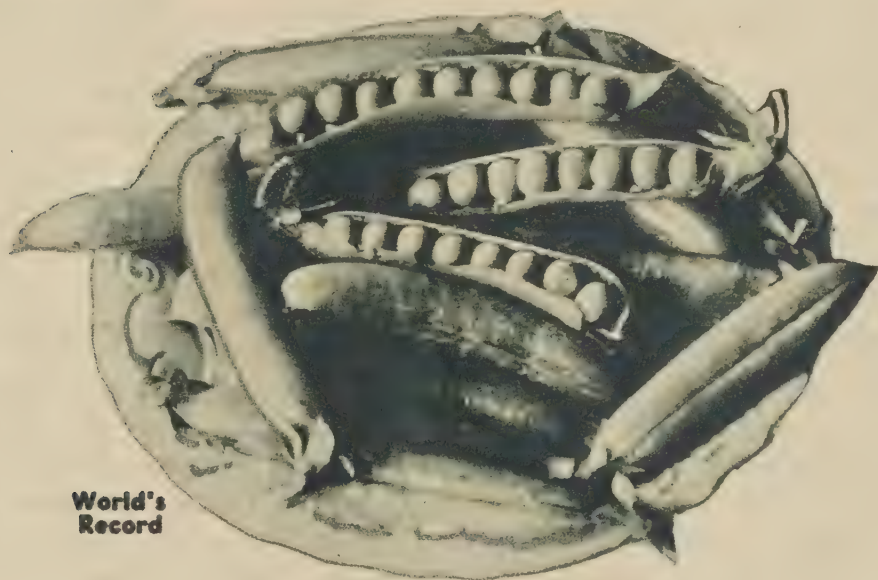
FIRST OF ALL or EARLY JUNE

This is the largest podded of the extra early varieties and a most profitable market sort. The semi-smooth seed may be sown 2 weeks earlier than the wrinkled seeded sorts. The vines grow from 30 to 36 inches high. The deep green pods are square ended and 4 inches long, containing 7 Peas to the pod. This is a very heavy and even cropper. $\frac{1}{4}$ lb., 16c; $\frac{1}{2}$ lb., 28c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.50; 10 lbs., \$2.70; 20 lbs., \$5.20; 100 lbs., \$24.00.

PREMIER

More prolific and a little taller than American Wonder or Nott's Excelsior, which it replaces in our list. Very early, dwarf, high yielding, market garden variety of excellent quality. $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 26c; 1 lb., 48c, postpaid. Not prepaid, 5 lbs., \$1.35; 10 lbs., \$2.40; 20 lbs., \$4.30; 100 lbs., \$21.00.

First of All



World's Record

WORLD'S RECORD or IMPROVED GRADUS

This is one of the earliest of the wrinkled seeded, large-podded varieties. The vines are from 2 to $2\frac{1}{2}$ feet tall, produce abundantly and bear throughout the season. The pods are 4 inches long, containing from 7 to 9 large deep green Peas. It is the market gardener's favorite. $\frac{1}{4}$ lb., 16c; $\frac{1}{2}$ lb., 29c; 1 lb., 48c, postpaid. Not prepaid, 5 lbs., \$1.65; 10 lbs., \$3.00; 20 lbs., \$5.80; 100 lbs., \$27.00.



Little Marvel

ALASKA

This standard hardy and early smooth seeded variety is much used for canning and home gardening. The vines grow 30 inches tall. The light green pods are $2\frac{1}{2}$ inches long, square ended and contain from 5 to 8 Peas to the pod. $\frac{1}{4}$ lb., 14c; $\frac{1}{2}$ lb., 24c; 1 lb., 37c, postpaid. Not prepaid, 5 lbs., \$1.00; 10 lbs., \$1.90; 20 lbs., \$3.70; 100 lbs., \$16.00.



Alaska

LITTLE MARVEL

One of the earliest of the wrinkled seeded sorts and one of the best and most satisfactory for the home garden because of its exceptional quality and yield. Remains in prime picking condition a week longer than most sorts. The vines are 18 inches high. The dark green, blunt ended 3 inch pods contain from 7 to 8 dark green peas, very tender and sweet. $\frac{1}{4}$ lb., 16c; $\frac{1}{2}$ lb., 28c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.50; 10 lbs., \$2.70; 20 lbs., \$5.20; 100 lbs., \$24.00.

FREEZONIAN PEA. All American Bronze Medal Winner for 1948. An early, hardy garden and freezing variety, wilt resistant, 30 inches tall, of Thomas Laxton type. The plump broad pods contain from 7 to 8 deep green peas. $\frac{1}{4}$ lb., 16c; $\frac{1}{2}$ lb., 28c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.50; 10 lbs., \$2.70.

EARLY DWARF PEAS

LAXTON'S PROGRESS

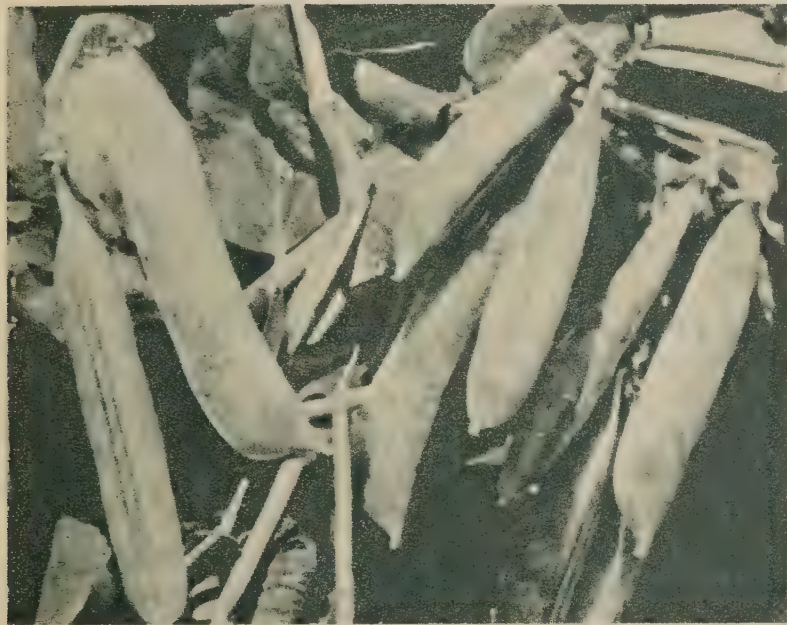
The largest podded and most attractive of the early dwarf varieties. The vines are 16 to 18 inches high; the handsome dark green pods are 4 to 4½ inches long, with 7 to 9 extra large peas of superior quality to the pod. This productive sort should be in every home and market garden. ¼ lb., 17c; ½ lb., 30c; 1 lb., 50c, postpaid. Not prepaid, 5 lbs., \$1.70; 10 lbs., \$3.20; 20 lbs., \$6.20; 100 lbs., \$28.00.



Laxton's Progress

LITTLE GEM or PREMIUM GEM

An early dwarf Pea of delicious flavor, excellent for family use. The vines are about 18 inches in height and produce an abundance of medium green, plump, blunt ended pods 2¾ inches long, with 6 to 7 Peas to the pod. This is an old tried and proven favorite. ¼ lb., 15c; ½ lb., 26c; 1 lb., 42c, postpaid. Not prepaid, 5 lbs., \$1.35; 10 lbs., \$2.40; 20 lbs., \$4.70; 100 lbs., \$21.00.



Little Gem

EDIBLE PODDED DWARF GRAY SUGAR

Height 2 feet. The pods are 3 inches long, curved and blunt, plump and fleshy. This sort is moderately early and very prolific. The pods are picked when the Peas are forming and are delicious when cooked as are string beans. ¼ lb., 16c; ½ lb., 28c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.50; 10 lbs., \$2.70.



Bliss Everbearing

BLISS EVERBEARING. Prolific and bearing over a very long period. It grows to a height of 2½ feet. The medium green pods are plump and blunt ended and contain from 6 to 8 large sweet Peas. A justly popular home garden variety. ¼ lb., 16c; ½ lb., 28c; 1 lb., 45c, postpaid. Not prepaid, 5 lbs., \$1.50; 10 lbs., \$2.70; 20 lbs., \$5.20; 100 lbs., \$24.00.

MAIN CROP VARIETIES

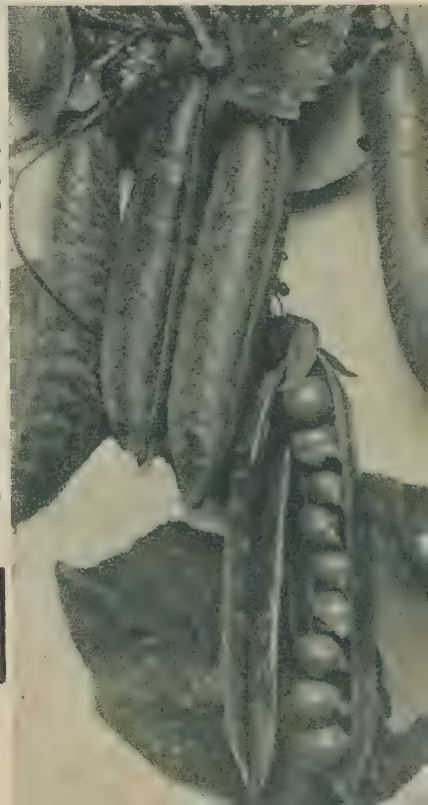
ALDERMAN. Dark Podded Telephone. The best tall variety and the pick of the Telephone type. The vines are about 4 feet tall; the pods are from 4½ to 5½ inches long, carrying 8 to 10 very large Peas to the pod. This is the standard of high quality and an abundant yielder. ¼ lb., 16c; ½ lb., 27c; 1 lb., 44c, postpaid. Not prepaid, 5 lbs., \$1.45; 10 lbs., \$2.60; 20 lbs., \$5.10; 100 lbs., \$23.00.

LINCOLN. Known in Canada as Homesteader. A very productive Pea of fine quality recommended for mid-season by the North Dakota Experiment Station. The vines grow 2 feet tall. The pods run from 3¼ to 3¾ inches long, containing from 6 to 8 medium green Peas of fine quality. One of the best yielders. ¼ lb., 15c; ½ lb., 26c; 1 lb., 43c, postpaid. Not prepaid, 5 lbs., \$1.40; 10 lbs., \$2.50; 20 lbs., \$4.90; 100 lbs., \$22.00.

DWARF TELEPHONE or DAISY. A fine home and garden sort with vines growing 28 inches tall. The dark green pods are 5 to 6 inches long and contain from 7 to 9 peas. The flavor and quality are excellent. ¼ lb., 16c; ½ lb., 29c; 1 lb., 48c, postpaid. Not prepaid, 5 lbs., \$1.75; 10 lbs., \$3.30; 20 lbs., \$6.40; 100 lbs., \$29.00.

Inoculate Peas with NITRAGIN.
A 15c Package will treat 8 pounds.

Lincoln





RADISHES *Crisp and Spicy*

Culture. For early use the seed may be sown in hot-bed. For open ground culture, sow in the Spring as soon as the ground can be worked in drills 10 to 12 inches apart. Sow every two weeks for a succession.

Early Carmine

Bright carmine, almost round, the roots are crisp and mild, and last well for an early sort. Pkt., 5c; oz., 17c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; 1 lb., \$1.25, postpaid.

EARLY CARMINE

A reliable, extra early, medium topped sort.

CAVALIER

Regarded by some as the best short top Scarlet Globe Radish. Oblong globe shaped, brilliant scarlet, the white flesh is crisp and mild. An excellent variety for all purposes. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.



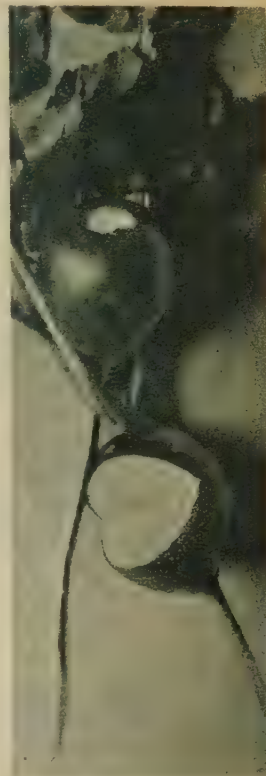
Saxa

ready for the table 20 days after sowing. The tops are small and the quality high. We have a fine stock of this variety. Pkt., 5c; oz., 17c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25, postpaid. Special seed grown from transplanted roots. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.

GIANT BUTTER

Largest of the early deep red

Radishes, it will reach a weight of $3\frac{1}{2}$ ounces without becoming pithy. It retains its crispness and mild flavor longer than any other sort in our trials. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; lb., \$1.65, postpaid.



Giant Butter

SAXA

The Earliest Radish. The round, bright, scarlet roots are

LONG SCARLET SHORT TOP

A home garden favorite, the smooth tapering roots are from 4 to 5 inches long, $\frac{3}{4}$ inch thick at the shoulder, smooth, dark red with crisp white flesh. Pkt., 5c; oz., 17c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25.



Crimson Giant

WHITE STRASBURG

One of the best large, white late Summer sorts for home garden and market.

The roots are about 5 inches long, thick at the shoulder and abruptly tapering. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; lb., \$1.60, postpaid.

CRIMSON GIANT GLOBE

An extremely large, globe shaped, deep crimson Radish of superior quality, and standing very long before becoming pithy. The white flesh is solid, crisp and mild. One of the best sorts for outdoor culture. Pkt., 5c; oz., 17c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25, postpaid.

MODEL BOX

This popular turnip shaped Radish is the earliest white sort and ready for table in 25 days from sowing. Pure white, tender, crisp and mild. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; lb., \$1.60, postpaid.



Model Box

RADISHES *from* *Spring to Winter*



Sparkler

Improved Scarlet Turnip White Tipped. This extra early strain is perhaps the most attractive Radish we have. The color is rich carmine-scarlet with well defined tip of purest white. The flesh is solid and crisp, and remains fit for use as long as some of the coarser varieties. Largely grown by market gardeners both because of its earliness and its quality. Pkt., 5c; oz., 17c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25, postpaid.

SPARKLER. Seed grown from transplanted roots. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.

CHINA ROSE WINTER

One of the very best Winter Radishes. The roots are cylindrical and blunt at both ends. The skin is bright, deep rose color and the flesh white and very crisp. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; lb., \$1.60, postpaid.

BLACK SPANISH WINTER

One of the latest as well as the hardiest of Radishes. The skin is black and flesh white, solid, crisp and pungent. Keep well all Winter. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; lb., \$1.60, postpaid.

SPARKLER



French Breakfast

FRENCH BREAKFAST

An oblong, very crisp and quick growing Radish, in color a bright rose-scarlet with white tip. It is very early, of fine quality, a great favorite on the market and unexcelled for the home garden. Pkt., 5c; oz., 17c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25, postpaid.

WHITE ICICLE

Sometimes called Ladyfinger. The best early pure white Radish and the most crisp and tender of all Radishes. The handsome white roots are 6 inches long, tender, brittle, juicy and agreeably snappy, preserving these qualities longer than the red sorts. Pkt., 5c; oz., 17c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.25, postpaid.

**PLANT
SUCCESSIVE
SOWINGS**

EARLY SCARLET GLOBE-BEAUTY.

A short topped sort, very uniform, bright scarlet, olive shaped and one of the very best early market radishes. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.

EARLY SCARLET GLOBE—SHORT TOP STRAIN. Seed grown from transplanted roots. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.



Early Scarlet Globe

Oscar H. Will & Co. has been a member of the American Seed Trade Association since 1888. There are only sixteen older seed firms in the country.

White Icicle

A GOOD GARDEN ALWAYS PAYS

PEANUTS

SPANISH. Earliest Variety Grown. Pods are small, but remarkably solid and well filled. Sow in drills 3 feet apart, placing the nuts 8 to 10 inches apart to allow for bushy habit of the plants. Pkt., 12c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; 1 lb., 60c; postpaid. Not prepaid, 5 lbs., \$2.20.

SPINACH

CULTURE: Sow in early spring, in rows not less than 12 inches apart, covering not more than one inch deep. Sow 2 weeks apart for succession. One ounce for 100 feet of row.

NOBEL—GIANT THICK LEAVED. All American Silver Medal Winner. A very rapid grower and the largest Spinach. The broad, deep green leaves are very thick and rather smooth, easily cleaned for cooking. A long standing and very heavy yielding variety. Pkt., 5c; oz., 13c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 85c, postpaid.

BLOOMSDALE or SAVOY LEAVED.

The standard extra early Spinach for home and market garden. The leaves are large, glossy deep green, blistered and crumpled. A heavy yielder. Pkt., 5c; oz., 13c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 85c, postpaid.

KING OF DENMARK. This variety is very slow to run to seed. The plants are early, vigorous and productive, and bushy in habit. The rounded leaves are crumpled, blistered, and a deep green in color. Probably the best sort for Northwestern conditions. Pkt., 5c; oz., 13c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 85c, postpaid.

NEW ZEALAND. Not a true Spinach, this variety thrives in hot, dry weather. As the leaves are picked off, new shoots appear and yield a continuous supply of greens throughout the summer. 125 seeds to the packet. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.50, postpaid.

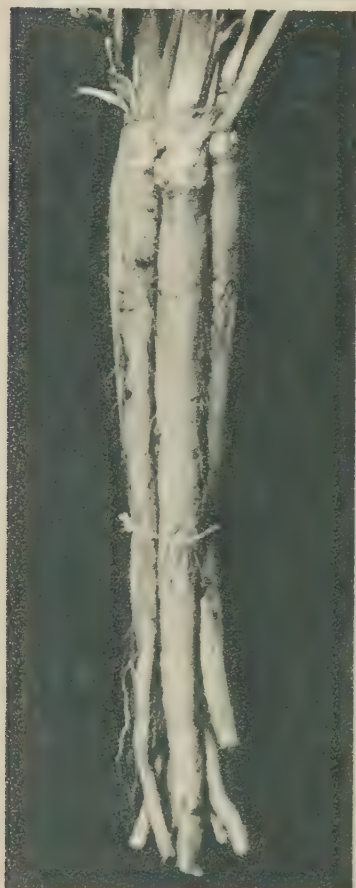


New Zealand

SALSIFY or OYSTER PLANT

CULTURE: Sow as early as the ground can be worked, in drills 12 to 15 inches apart, one inch deep. One ounce to 100 feet of drill. About 180 seeds to the packet.

MAMMOTH SANDWICH ISLAND. This is the best type of Salsify or Vegetable Oyster. The roots are very large, smooth and of fine quality and delicious flavor. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; $\frac{1}{2}$ lb., \$2.10; 1 lb., \$3.75, postpaid.



Salsify

SQUASH

CASERTA. An All-American winner. A Grey Zucchini type, slightly larger and a very heavy yielder. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.20, postpaid. (See page 1 for picture.)

RED LODGE MARROW. This Marrow or Cocozelle Squash comes to us from the Italian settlement at Red Lodge, Mont. Originally from Italy, it is of high quality, exceptionally early and tremendously prolific. Pkt., 10c; oz., 27c; $\frac{1}{4}$ lb., 80c, postpaid.

DAKOTA. Professor A. F. Yeager's cross between Table Queen and Mandan Squash. Top shaped, of fair quality, with dark green skin and pale orange flesh, Dakota is much earlier and more prolific than Table Queen and should be used in the same way. Pkt., 10c; oz., 30c.

GIANT SUMMER CROOKNECK. A variety early as common Crookneck and much larger, frequently two feet long. It is heavily warted, of bright golden color, brittle and tender. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.50, postpaid.

MAMMOTH WHITE BUSH. Cymling or Patty Pan. A very early Summer squash. It is flattened and scalloped, comparatively smooth on the surface and creamy white in color. The flesh is thick and very fine in quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.

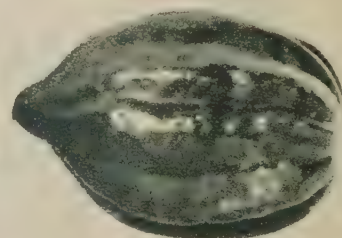
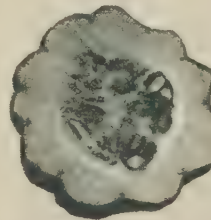


Table Queen

ITALIAN MARROW.

When 4 to 6 inches long, slice and fry or bake.
GREEN COCOZELLE. Dark green with lighter green stripes. The fine flavored flesh is greenish white. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.
BLACK ZUCCHINI. Blackish green skin with white flesh. A few days earlier than the Cocozelle. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.

TABLE QUEEN—DES MOINES or ACORN.

The Individual Squash. A small, very productive, acorn-shaped variety, averaging 1½ pounds. The thin shell is ribbed and very dark green in color. The orange yellow flesh is thick and of excellent quality. A good keeper. Squash of this variety may also be used as summer squash if picked when half grown. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60, postpaid.

Early and Hardy Varieties Will's Winter Squashes

Culture: One ounce to 15 hills. Plant at same time as cucumbers and melons, in hills 7 to 8 feet apart for the Winter varieties. About 45 seeds to the packet of Winter Squash.



Banquet Squash

WILL'S BANQUET. A golden squash, the result of our cross between Buttercup and Gilmore, earlier and more prolific than Buttercup with Buttercup shape, thick dry orange flesh and fine quality. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; ½ lb., \$1.80; 1 lb., \$3.50.

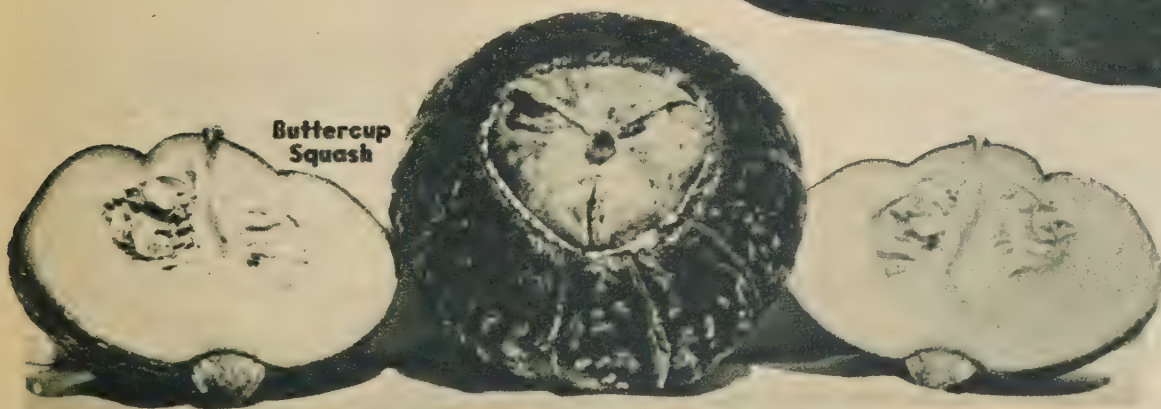
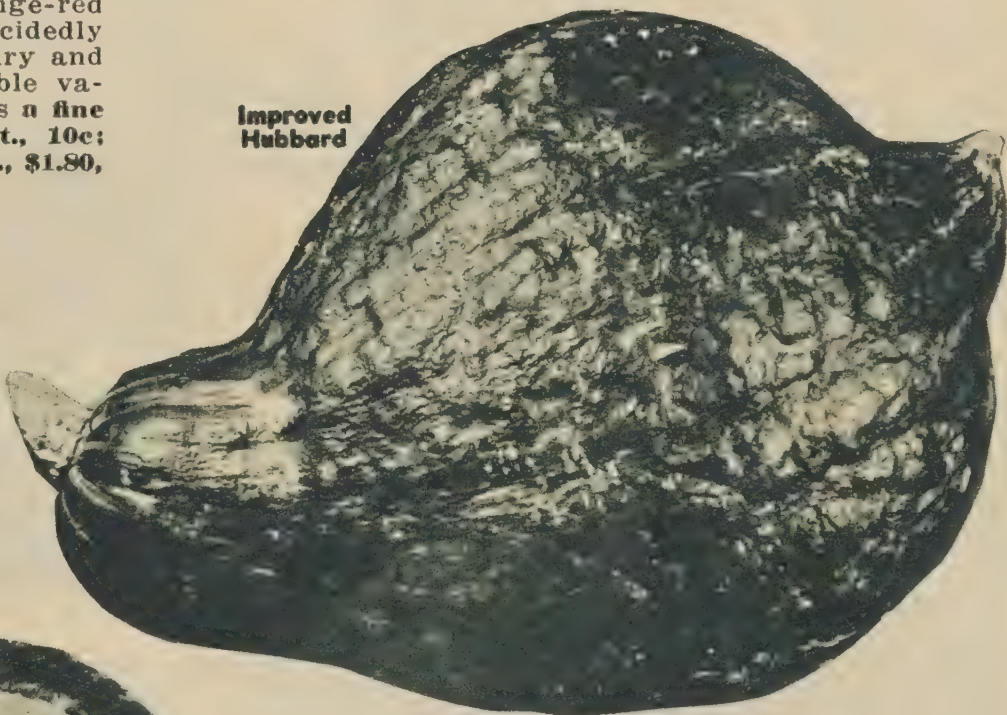
ARIKARA. If you want the earliest large Winter Squash, the squash that will set fruit and out-yield all others under drought conditions, plant the Arikara. The shell is salmon, varied with blue green; flesh orange tinged with green near the shell, of firm texture and fair quality. It is a wonderful keeper. Pkt., 10c; oz., 35c, postpaid.

RED or GOLDEN HUBBARD. Similar to Improved Hubbard except for its orange-red color, but slightly smaller and decidedly earlier. The flesh is deep orange, dry and of splendid quality. A superior table variety and an excellent keeper, this is a fine variety for the home garden. Pkt., 10c; oz., 23c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.80, postpaid.

IMPROVED HUBBARD.

The Standard Winter Squash. More extensively grown than any other variety. The fruits are large, heavy and moderately warted. The shell is a dark bronze-green; flesh a deep orange yellow, fine grained, dry and sweet. Its quality is the standard of excellence. Pkt., 10c; oz., 23c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.80, postpaid.

Improved Hubbard



Buttercup Squash

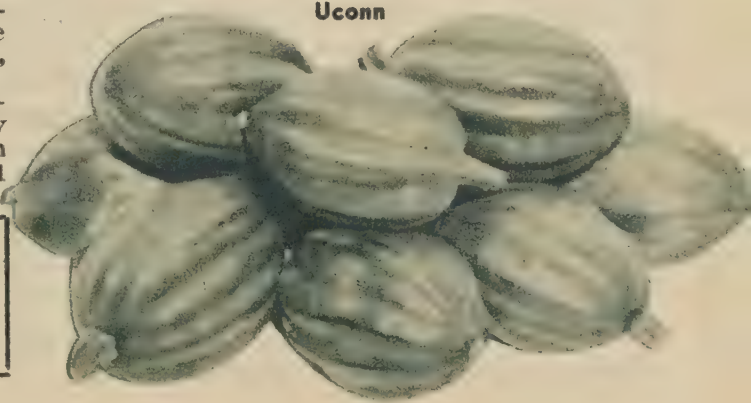
**Your 1950 Garden
Will Pay Big Dividends
with Will's Seeds**

BUTTERCUP. Originated in North Dakota by Professor A. F. Yeager. The squashes weigh between 3 and 5 pounds with thin, tough green skin. There is no fibrous section and the thick, rich orange flesh has no tinge of green. It is a good keeper with very little waste in cooking. The flavor is sweet and fine; the texture smooth and dry. A fine squash and our seed is the best obtainable. Pkt., 10c; oz., 27c; ¼ lb., 80c; ½ lb., \$1.40; 1 lb., \$2.75, postpaid.

UCONN—All American Gold Medal Winner. A heavy yielding bush type Table Queen developed at the University of Connecticut. The very uniform fruits are dark green with slight flecking. Pkt., 15c; oz., 35c; ¼ lb., \$1.20; 1 lb., \$3.50, postpaid.

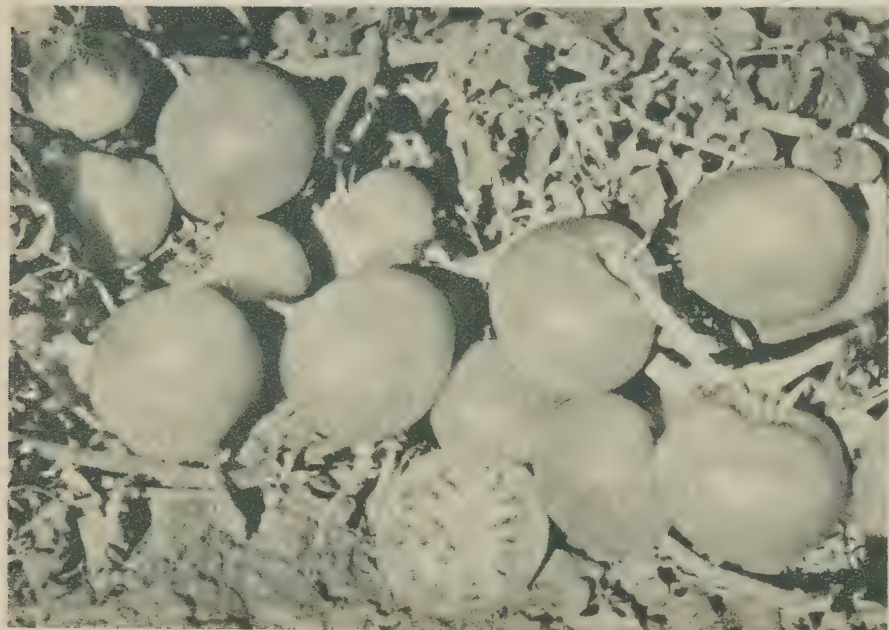
BUTTERNUT. About a foot long, bottle shaped, 4 to 5 inches at greatest diameter. The seeds are contained in a small cavity in the large end of the Squash. The fine textured, orange flesh is very sweet and fine flavored. Pkt., 10c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.40; 1 lb., \$2.75, postpaid.

Uconn



Culture. Sow in hotbed or shallow boxes in the house in early Spring, allowing 8 to 10 weeks from sowing indoors to setting in open ground; when plants are large enough, transplant into hotbed or boxes and when all danger from frost is past transplant into open ground, about four feet apart each way.

Will's Early



Victor

SIOUX. An early, meaty, red Tomato developed in Nebraska. It has outyielded all others in South Dakota trials and becomes more popular each year. Pkt., 15c; ½ oz., 50c; oz., 80c; ¼ lb., \$2.45, postpaid.

NEW HAMPSHIRE VICTOR. Developed by Dr. A. F. Yeager at the University of New Hampshire. A cross of Allred and Marglobe, perhaps 2 or 3 days later than the original Victor, but an improvement in several respects, particularly disease resistance. Pkt., 15c; 2 pkts., 25c.



Earliana

EARLIANA. (Standard Strain). One of the earliest varieties and very productive. The fruit is fair sized, round, very smooth and solid and produced in clusters in the center of the plant. The color is bright scarlet. Certified seed. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.80, postpaid.

**Tomato Plants
Listed on Page 58**

WONDERBERRY—GARDEN HUCKLEBERRY
Not a true Huckleberry, but belonging to the same family as do Tomatoes, Eggplant, and Pepper, this is very productive of round, nearly black fruits, but little smaller than a Concord Grape. These fruits when fully ripe make excellent pies, preserves, and jam. Pkt., 10c; oz., 65c.

VICTOR

All America Bronze Medal Winner. A fine contribution by Dr. A. F. Yeager to Tomato Progress. Brought out at the Michigan State College. This is a cross between Allred and Break O'Day. The somewhat flattened fruits are a desirable red in color, very flashy and resist cracking. Market quality is very high and culls few. If you want earliness, high quality and yield, try Victor. Pkt., 15c; ½ oz., 50c; oz., 80c; ¼ lb., \$2.45, postpaid.

VALIANT. An early, heavy yielding, large fruited, deep globular red sort, a few days later than Earliana which it is replacing in many sections. It continues to yield heavily through the season. Certified seed. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.45, postpaid.



Firesteel

FIRESTEEL. An early variety that has proven very productive under adverse conditions, resistant to wilt and disease. The fruit is large, smooth and uniformly globe shaped, scarlet red in color and free from cracking. We think more and more of this sort. Pkt., 10c; ½ oz., 45c; oz., 70c; ¼ lb., \$2.05, postpaid.

ORANGE KING. A midseason bright orange Tomato developed by Dr. A. F. Yeager, of the University of New Hampshire. A heavy yielder, the fruits are a little larger than those of Victor. The interior color is also a bright orange, much more attractive than ordinary yellow Tomatoes, and the juice is much the color of orange juice. Tests indicate a higher vitamin content than that of red varieties. Pkt., 15c; ½ oz., 55c; oz., \$1.00, postpaid.

JOHN BAER. Slightly earlier than Bonny Best, a heavy yielder of smooth, firm, medium sized, flattened globe shaped, scarlet fruits. Pkt., 10c; oz., 60c; ¼ lb., \$1.80, postpaid.

MARGLOBE. An all-purpose, midseason Tomato developed by the U. S. Department of Agriculture. The fruits are medium large, nearly globular, smooth and solid. This variety is resistant to wilt. Pkt., 10c; oz., 60c; ¼ lb., \$1.80, postpaid.

Hardy Tomatoes

BISON

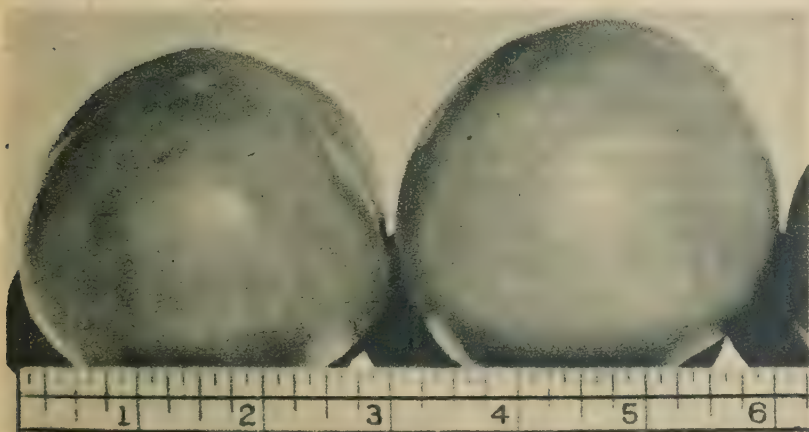
The first of Dr. A. F. Yeager's self pruning or determinate Tomatoes and probably his hardiest. The solid, meaty, medium sized, red Tomatoes are of good quality and mildly acid. Because of its hardiness, this older variety is a standby. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25, postpaid.

Tomatoes
The Most
Profitable
Garden
Crop
for a
small
area.



Chatham (Some foliage cut away)

BOUNTY or N. D. No. 40. This is a first cousin to Victor and has outyielded it in some tests. Very similar in appearance. Postpaid, pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25, postpaid.



Bounty

For Paper Pots and Bands See Page 21

BONNY BEST. A popular second early sort, fine for both home and market garden. The good sized, bright scarlet Tomatoes are flattened globe shape and of very fine quality. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.80, postpaid.

Late Potato Blight plays hob with Tomatoes. Spray weekly with Bordeaux beginning about July 15, or dust with Tomato Dust. See Page 79.



Bison

CHATHAM. The longer we grow Chatham, the better we like it. Developed from crosses made by Dr. A. F. Yeager, by the Upper Peninsular Experiment Station, Chatham, Michigan, for home gardens in areas of short growing seasons. The plant is determinate; the fruits are good sized—the largest of any extra early variety, all over ripening, of high quality, smooth uniform shape and good color. Can be sown in open ground with good results, with of course earlier Tomatoes if started indoors. Certified seed. Pkt., 15c; $\frac{1}{2}$ oz., 50c; oz., 80c; $\frac{1}{4}$ lb., \$2.45, postpaid.



Red River

RED RIVER One of the earliest and most solid, meaty early sorts we have ever seen, Red River is a heavy producer of bright scarlet, medium sized, slightly flattened smooth fruits of solid meat and splendid flavor. Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$2.05; 1 lb., \$7.40, postpaid.

For Small Fruited Tomatoes See Next Page (46)

Harry Maher,
Puposky, Minn.

I have grown your Red River Tomato here in northern Minnesota for the last five or six years and must say I like them very much; always had plenty of ripe tomatoes.

George A. Troxel,
Kalispell, Mont., Box 532

I had ripe tomatoes (Chatham) from the 20th day of July until fall and took First Prize at the Flathead County Fair. They are Blue Ribbon winners.



Strawberry or Ground Cherry

Small Fruited Tomatoes

FARGO YELLOW PEAR. Extra early, heavy yielding determinate plants. The yellow fruits are pear shaped, attractive and fine flavored. Pkt., 10c; ½ oz., 35c; oz., 60c, postpaid.

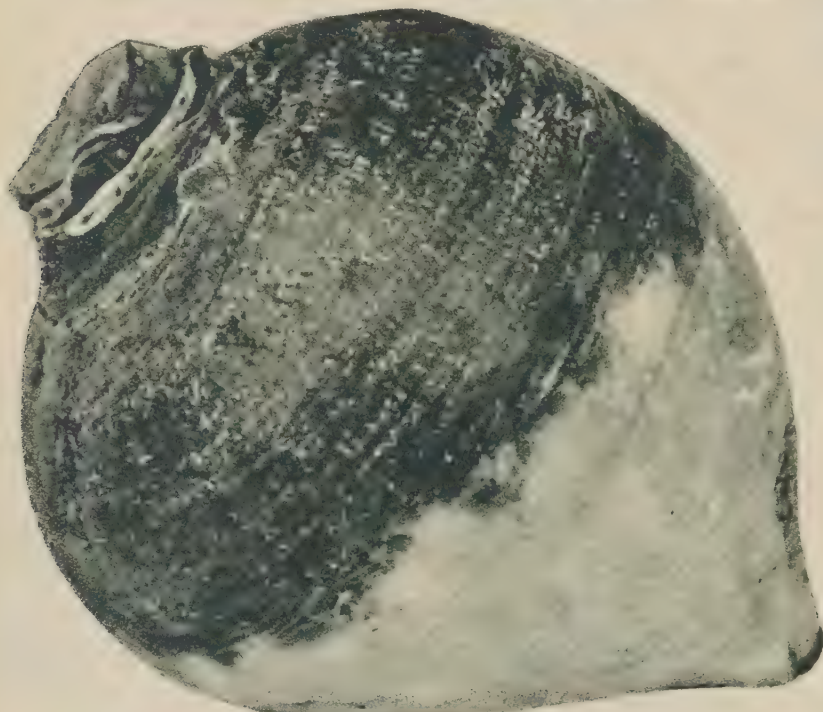
YELLOW PLUM. A beautiful sort, much resembling a plum in size and shape; widely used for-preserving. Pkt., 10c; ½ oz., 40c; oz., 75c, postpaid.

RED CHERRY. The fruits are very small, about the size of a large cherry, smooth and round. It bears early and freely until frost, and is used for preserving. Pkt., 10c; ½ oz., 40c; oz., 75c, postpaid.

GROUND CHERRY, HUSK or STRAWBERRY TOMATO. Not a true Tomato, the round yellow fruits are half an inch in diameter, enclosed in thin paper-like husks. A heavy yielder, very sweet, and used mostly for pies and preserves. Pkt., 10c; ½ oz., 35c; oz., 60c, postpaid.

Will's Rutabagas

CULTURE: Sow latter half of June or first of July. Plant about ½ in. deep. Rows should not be less than 20 inches apart. Thin to 8 to 10 inches apart in the row. One ounce will sow 250 ft. of drill; 1 ½ lbs. an acre of drill, and 2 ½ lbs. an acre broadcast. About 1,900 seeds to the packet.



Will's Improved Rutabaga

PAJBJERG BANGHOLM. The roots are purple - topped and yellow with very small necks. The flesh is yellow, exceedingly solid and crisp. This is the sweetest Rutabaga, a heavy yielder and a splendid keeper. Pkt., 5c; oz., 17c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.35, postpaid.

IMPROVED AMERICAN PURPLE

TOP YELLOW. The roots are large, globe shaped, with small necks and tap roots, bright yellow with purple tops. The flesh is very solid, yellow, tender and sweet. Our strain is very hardy, productive and a good keeper. Pkt., 5c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00, postpaid.

EARLY NECKLESS—LAURENTIAN. A purple top yellow Rutabaga, three weeks earlier than American Purple Top, entirely neckless, free from side roots, round and uniform, of fine quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.25, postpaid.

Mrs. Art Niemeyer
Tenstrike, Minn.

These Chatham Tomatoes are just wonderful for this northern country. The last 3 years we have been able to have all our tomatoes ripen on the vine but it sure kept me busy canning tomatoes and juice.

Turnips

CULTURE: Sow seed early in spring for summer crop and about July first for fall crop. Culture and quantities same as Rutabaga, but do not require as much thinning. About 2,200 seeds to the packet.

PURPLE TOP STRAPLEAF. Widely cultivated, a quick grower, and very productive. The roots are flat, medium sized, purple above ground and white below. The flesh is white and of fine quality. Pkt., 5c; oz., 10c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.25, postpaid.

EARLY WHITE MILAN. The earliest Turnip, can be used for spring or summer planting. The creamy white roots are medium sized, flat and uniform. The white flesh is fine-grained, tender and sweet. Pkt., 5c; oz., 17c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.35, postpaid.

PURPLE TOP WHITE GLOBE. The most popular variety for general use. A good sized, globe-shaped sort of a fine appearance, a good producer and keeper. The flesh is firm, fine-grained, tender and sweet. Pkt., 10c; oz., 20c; ¼ lb., 55c; ½ lb., 85c; lb., \$1.50, postpaid.

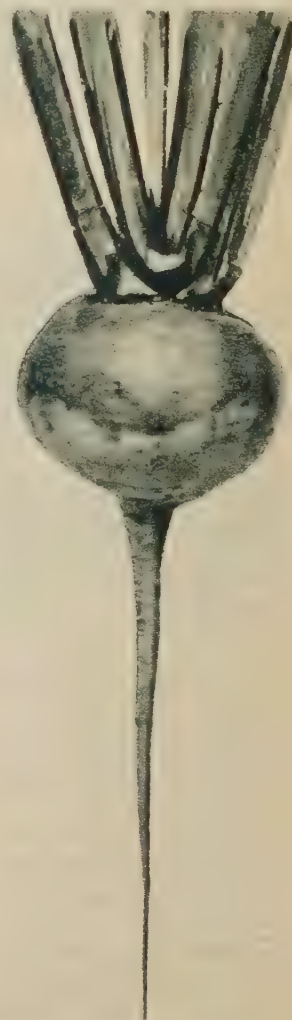
WHITE EGG. A medium sized, very early, snow-white variety, with firm, fine-grained flesh. Does not crack as readily as the flat varieties. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.25, postpaid.

GOLDEN BALL. The Best Yellow Globe Turnip. The orange yellow roots average 4 inches in diameter, with fine grained yellow flesh of excellent quality. A good keeper. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.25, postpaid.

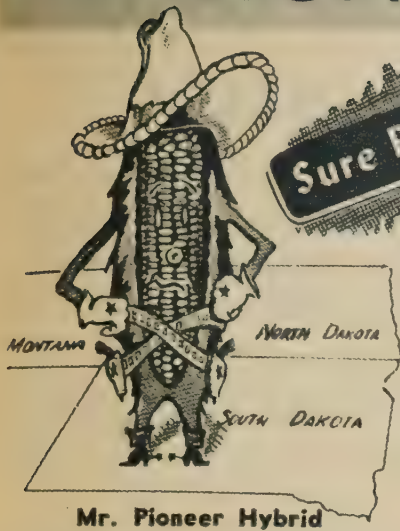
J. E. Beckman

Three Forks, Mont., Box 623

Flower seeds do very well at 6,000 feet altitude. They were beautiful and gave us much pleasure.

Purple Top White
Globe Turnip

PIONEER HYBRID SEED CORN



Mr. Pioneer Hybrid

Sure Production

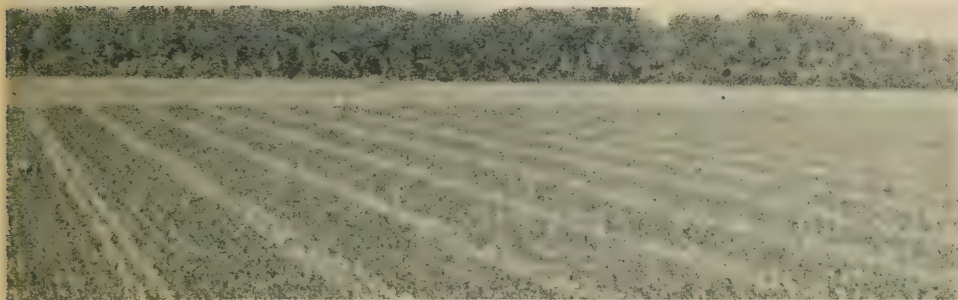
**Mr. Pioneer Hybrid says:
Wills Pioneer Hybrids Are
Bred & Grown for Gt. Plains Conditions**

We are the only commercial Seed House in the North that has conducted a long continued project of Corn inbreeding and crossing with special reference to Northern Plains conditions.

We are offering this year Hybrids, particularly adapted to the Northern Plains and Midland country.

Try hybrids bred for the Northern Plains and you will be surprised and delighted by the results.

They are early, drouth and wind resistant and heavy yielding.



One of Our Hybrid Fields at Bismarck

PIONEER HYBRID "N." 85 days. Combines the yellow dent qualities of an outstanding yellow dent single cross with the hardiness, earliness, drought and cold resistance of two outstanding Falconer inbreds. A large-eared yellow semi-dent that grows straight and tall and yields very heavily.

PIONEER HYBRID "A." 80 days. This is a cross from four inbred Falconer strains. The result is a uniform Falconer type corn, somewhat more upright, easier to pick and better yielding.

PIONEER HYBRID "D." 80 days. A Falconer-Alta combination; tall, sturdy, very early and heavy yielding.

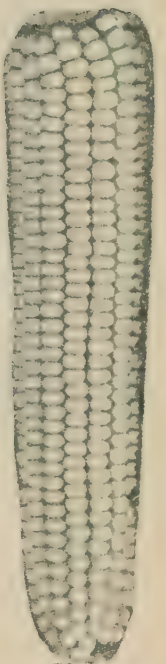
PIONEER HYBRID "K." 80 days. Falconer and Nodak 301 combination.

NODAK HYBRID 304. 83 days. A flint dent hybrid from the N. D. corn breeding station. Very early.



Pioneer Hybrid "A"

**EARLIEST—
HARDIEST—
HEAVIEST
YIELDERS
HYBRIDS WITH
FALCONER
BLOOD**



Pioneer Hybrid "K"



Pioneer Hybrid "D"



Pioneer Hybrid "N"

HYBRID PRICES. Large and medium flats. Postpaid, lb., 50c; F.O.B. Bismarck, 7 lbs. (enough for 1 acre) \$1.50; 1/2 bu., \$5.00; bu., \$9.00. Large & medium rounds, small flats; F.O.B. here, 7 lbs., \$1.25; 1/2 bu., \$3.50; bu., \$6.00.

PIONEER HYBRID SEED CORN



Nodak Hybrid 301

DENT HYBRIDS

PIONEER HYBRID "J." 85 days. A fine pure yellow Dent with extraordinary wind and storm resistance. Tall, ears high, a heavy yielder. A combination of Alta with a Nodak single cross.

NODAK HYBRID No. 301. 85 days. Somewhat earlier than No. 201 and a little sturdier. We have found it to do somewhat better under our



Pioneer Hybrid J

local conditions. A beautiful appearing yellow dent.

HYBRID "F." 80 days. One of the heaviest yielding pure Dents. A combination of Crimmins White Dent inbreds. Very early and sturdy.



Pioneer Hybrid R

HYBRID FLOUR CORN

PIONEER HYBRID R. 85 days. A corn especially suited for feeding off in the field. Soft and easily chewed. Very prolific. Early. A yellow flour cross. Stock consume both the many ears and the long leaves and tender stalks.

Cold Resistant

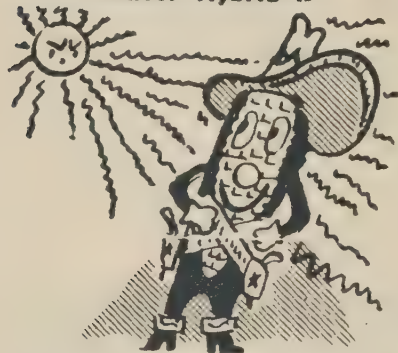
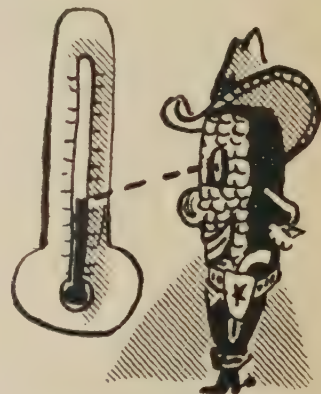
and best germinating, Pioneer Hybrids are treated with non-poisonous Spergon dust. This increases the seeds' ability to fight off disease and make a good stand.

Wind Resistant

A strong stalk with a massive root system gives added protection against high winds.

High Yields

Will's Pioneer Hybrids' exceptionally high yields bring Repeat Buyers who want to grow these remarkable hybrids year after year.



Drought Resistant

Pioneer Hybrids are bred from the hardiest corns grown in the Great Plains area — increasing their drought resistance for your protection.



PLANT HYBRIDS BRED FOR THE NORTHERN PLAINS.

FEEDING CORN IN THE NORTHERN PLAINS

Corn is grown for feed. The corn that produces the most in both ears and stalks is the cheapest to feed. It costs money to pick corn—hogs, cattle and sheep pick for nothing. Feeding corn in the field is the most economical way to handle.

For feeding in the field the highest yields always come from flint corn, flour corn and semi-dents.



Dakota White Flint

FLINT CORN

WILL'S GEHU YELLOW FLINT

Seventy-five Day Corn

The best known of our native early flints. We have shipped it to every continent. It has been carefully bred by us for years and shows the effect of this breeding. Its feeding qualities are the highest of any variety of Corn, it is leafy and produces a



Gehu Flint

tremendous amount of excellent fodder, since there is no heavy stalk, and every part of the plant is utilized. It is drought, frost and hail resistant to a wonderful extent in addition to its great earliness. In good soil and under favorable conditions it may be cut with a Corn binder. Gehu is of a lemon-yellow color, ears mostly twelve-rowed, 7 to 10 inches in length. Stalks 4 to 6 feet. Ears 10 to 18 inches from the ground. Lb., 40c, postpaid; F.O.B. here: 10 lbs., \$1.25; ½ bu., \$2.75; bu., \$5.25.

DAKOTA WHITE FLINT

Seventy Day Corn

The first variety produced by Oscar H. Will in the early eighties. A pure, pearly white flint, 8 to 12 rowed, long slender ears with small cob and a great deal of grain. Many ears to the hill, and yields of 50 bu. per acre have been reported. Stalks are leafy and bushy, a wonderful variety to feed off in the field. Height from 3½ to 5½ ft. Lb., 40c, postpaid; F.O.B. here: 10 lbs., \$1.35; ½ bu., \$3.00; bu., \$5.50.

BURLEIGH CO. MIXED or DAKOTA SQUAW CORN

Seventy Day Corn

Hardy—Early—Heavy Yielding. This is a mixed form of the early flint and is the first variety listed by us after our business was started. It is very resistant to both drought and frost, and fully as heavy a yielder as any variety of early flint. It is of mixed colors, yellow, white, blue and red predominating, ears long and slender, mostly eight-rowed. This Corn shells out heavier than any other variety. Lb., 40c, postpaid; F.O.B. here: 10 lbs., \$1.30; ½ bu., \$2.75; bu., \$5.25.

RAINBOW FLINT FOR THE SILO

Drought Resistant—A Tremendous Yields

We have two strains. The Great Plains Strain was developed at the U. S. Great Plains Station at Mandan, is earlier and better adapted to Great Plains conditions.

The South Dakota Strain is somewhat taller and later.

We have stocks of both but we are not sure which strain we may be able to supply when an order comes in and will fill orders with what we have on hand. Lb., 40c, postpaid. F.O.B. here: 10 lbs., \$1.35; ½ bu., \$3.00; bu., \$5.50.

MERCER FLINT

Ninety Day Corn

A fine silage variety with stalks 6 to 8 ft. high, leafy, with slender stalks, ears long and slim, several to a hill, color orange-yellow. A second early sort that does not always mature in short seasons. Fine to feed in the bundle as well as for silage. We have an extra good acclimated strain. Lb., 40c, postpaid; F.O.B. here: 10 lbs., \$1.35; ½ bu., \$3.00; bu., \$5.50.

ASSINIBOINE FLINT CORN

Sixty Day Corn

From the Canadian Indians—Earliest Type of Corn Grown. Ripens 10 days before the Gehu and Dakota, so has an especially useful place in hogging off. Lb., 40c, postpaid. F.O.B. here: 10 lbs., \$1.40; ½ bu., \$3.25; bu., \$6.25.



Gt. Plains Rainbow Flint



Burleigh Co.
Mixed—
Dakota Squaw

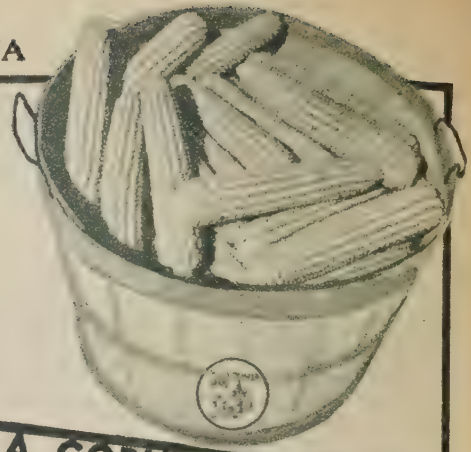
FALCONER SEED CORN

**Oscar H. Will & Co. Strain—Highest
Yielding Corn for the Northwest**

Falconer corn is grown by the hundreds of thousands of acres now and many thousands of these acres are off type, unselected or poorly selected scrub corn of the poorest type and certain to make inferior yields.

We introduced Falconer Corn. Falconer in careful tests over most of our state has outyielded every variety including many hybrids.

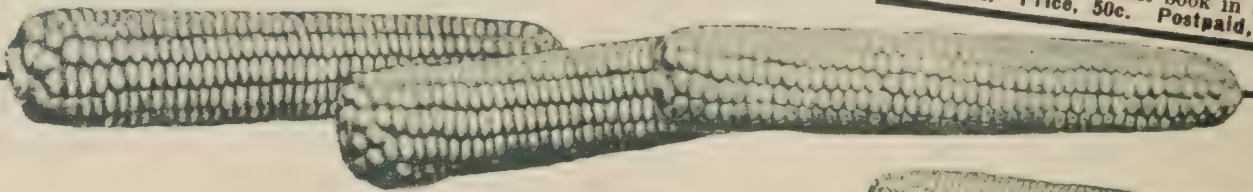
The answer seems obvious then. Buy genuine Falconer of true, high yielding strain from Oscar H. Will & Co. Lb., 40c, postpaid. F.O.B. here: 10 lbs., \$1.25; ½ bu., \$3.75; bu., \$5.00.



A CORN HANDBOOK FOR THE NORTHWEST

Corn Varieties, Corn Planting, Growing,
Harvesting

This book covers the subject of Corn for the Great Plains and the Northwest fully and treats of corn growing in every department. Written clearly and concisely, it can be used as a text book in agricultural classes. Price, 50c. Postpaid, 60c.



EARLY TYPE MINNESOTA 13

We offer a type of Minn. 13 with 85 to 90 days' maturity, adapted to Great Plains conditions. Minnesota 13 is the standard main crop Yellow Dent in all the more favorable sections of the Great Plains. We usually have two strains—Boyd and Haney, but shall fill orders from whichever happens to be on hand. Postpaid, lb., 40c. F.O.B. here: 10 lbs., \$1.35; ½ bu., \$3.00; bu., \$5.50.

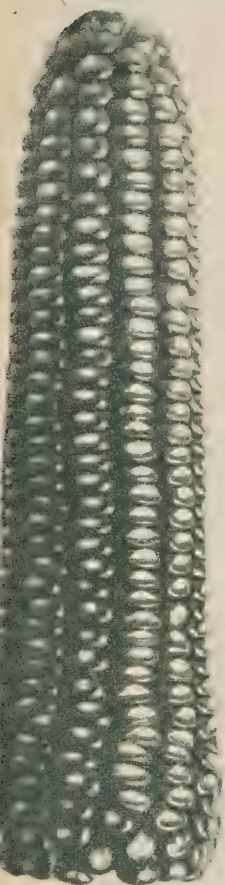


Minnesota 13

WILL'S ORIGINAL NORTHWESTERN DENT

The original Northwestern Dent Corn, a history of which is given in Bulletin No. 107 of the Montana Experiment Station, was introduced by Oscar H. Will in 1896, and almost immediately attained great popularity over the whole Northwest. Color: Red and white.

It is extremely hardy and will produce a crop when all other dents fail, owing to its frost and drouth resistance. It ripens in 80 to 85 days. Lb., postpaid, 40c. F.O.B. here: 10 lbs., \$1.25; ½ bu., \$2.75; bu., \$5.00.



PIONEER WHITE DENT

85 Day

The earliest and hardiest White Dent in cultivation. Also the most drouth resistant dent that can be grown. Easy to pick, even in maturing.

Ears average 6 to 8 inches long, nearly cylindrical, 14 to 16 rows, white with occasional pink shading. Stalks 5 to 7 ft., ears 2 ft. up. Lb., 40c, postpaid. F.O.B. here: 10 lbs., \$1.25; ½ bu., \$2.75; bu., \$5.00.

Pioneer White Dent

RUSTLER—90 day CRIMMINS STRAIN—White Dent

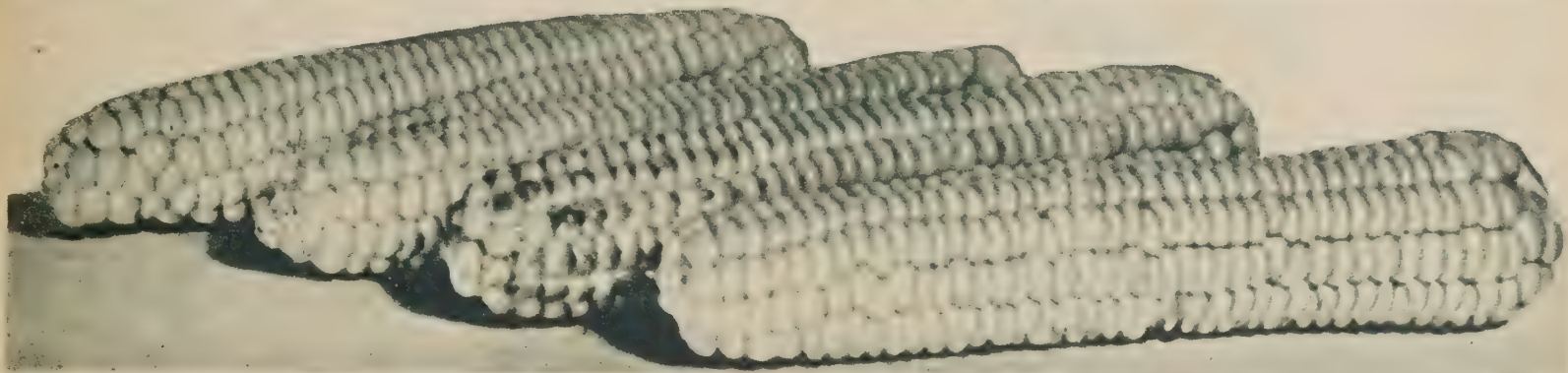
This especially adapted strain of the rather late Rustler for central and western North Dakota has been bred by Mr. D. C. Crimmins. He is a corn breeder of note, winner of many premiums at the State Corn Show, and in this strain of Rustler has given us a very valuable corn. Lb., 40c, postpaid. F.O.B. here: 10 lbs., \$1.25; ½ bu., \$2.70; bu., \$5.00.



SQUARE DEAL DENT. Probably the earliest pure yellow dent. Bred by Oscar H. Will forty years ago for Great Plains conditions. Deep kernels and proportion of shelled corn is very high. Ears 2 to 3 ft. high on the stalk and are very easily picked with a mechanical picker. Lb., postpaid, 45c; F.O.B. here: 10 lbs., \$1.40; ½ bu., \$3.00; bu., \$5.50.

FLOUR CORN

Best of all corn for feeding off in the field. Bushy and leafy. Very drouth resistant. High yielding. Early. Never gets hard so that stock has difficulty in grinding it with the teeth.



Flour Corn

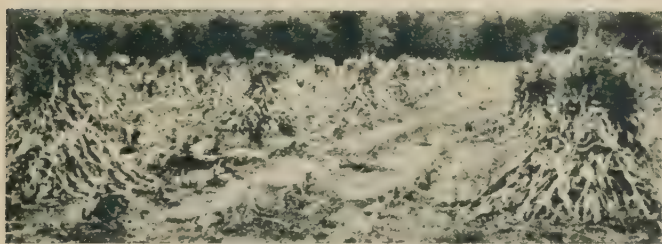
MANDAN WHITE FLOUR. Earliest of the Flour Corns. Matures in 75 days. Many ears to the hill. Ready to turn stock in by August 10th most years. Postpaid, 1 lb., 45c, F.O.B. here; 10 lbs., \$1.40; ½ bu., \$3.00; bu., \$5.50.

MANDAN YELLOW FLOUR. An 80-day yellow flour corn, a tremendous yielder. Its yellow color, of course, adds to its value for feeding off in the field. Feeding value very high. Postpaid, 1 lb., 45c, F.O.B. here; 10 lbs., \$1.50; ½ bu., \$3.00; bu., \$5.50.

ACME FODDER CORN. Mixed Dent of Great Plains Types. Almost perfect as a silage corn. This is a mixture of off type early dents and semi-dents with a previous year's cross. This sort of combination means heavy growth and yield combined with the natural earliness of its components. Easily handled with a binder. Lb., 40c, postpaid. F.O.B. here: 10 lbs., \$1.25; ½ bu., \$2.25; bu., \$4.

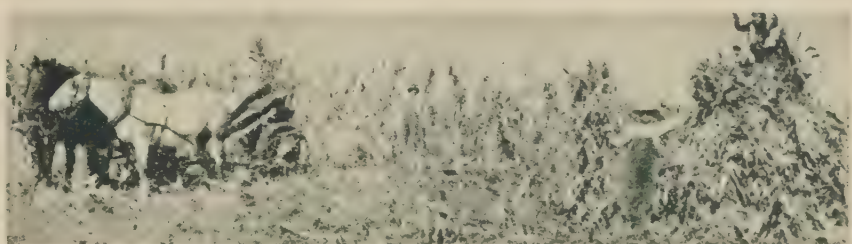


Acme Fodder



4X FODDER CORN—Southern Grown, Tall, Leafy

The 4X is, we consider, the very best procurable fodder Corn for Northwestern conditions. We get this grown just far enough south so that **maximum quantity of fodder is produced** and at the same time the stocks come near enough to maturity so that they are **not all water**. The best time to cut Corn for fodder is when the kernels are just past the roasting ear stage. Sow or drill ten pounds to one-half bushel per acre, if planted with a planter; 2½ bu. if broadcast. F.O.B. here; ½ bu., \$2.25; bu., \$3.75.



SWEET FODDER CORN—Wonderful Feed for Milch Cows

Sweet Fodder is coming to occupy a place of very high esteem as a feed for milch cows. Owing to the fact that its **sugar content is so high** it is a more concentrated feed than the ordinary Corn. It is likewise a heavy yielder as it is so bushy, and there are no heavy, coarse stalks which are usually waste. Lb., 30c, postpaid. F.O.B. here; 10 lbs., \$2.00; larger lots @ 17c per lb.

UNUSUAL CORN VARIETIES FOR EXPERIMENT AND TRIAL

We know that many of our customers are interested in experimental work with Corn and in the observation of novel and little known sorts. We have therefore listed here a few of the many unusual types that we are constantly growing and observing, and we hope to present others each year.

Price, lb., postpaid, 50c; F.O.B. Bismarck, 5 lbs., \$1.00.

RED STAR. A cross of early Siberian flint, Falconer and Alta. Very early with ears high on stalk.

ORNAMENTAL. A mixed cross of various Indian strains, producing vari-colored foliage.

NAVAJO-MINN. 13 CROSS. A cross between Navajo Sacred Flour inbred and a Haney Minn. 13 Inbred.

MANDAN BLUE. Original seed from the Mandan grower, Water Chief.

MANDAN SPECKLED. Another variety of Water Chief's Mandan corn.

NOTICE—These prices subject to change. Our blue price list issued once or twice each month gives latest prices and may be had on request. Write for prices on large lots.

NOTE ALSO THAT ALL PRICES INCLUDE COST OF SACKS.

We are marking our germination and purity tests on bulk shipments of seed grain, field seeds, and seed corn. These tests are arrived at by careful and scientific methods, and are as nearly exact as we can make them. It must be understood, however, that they are only for customer's guidance and are not a guarantee. Always make your own tests of seed grain and field seeds.

SEED BARLEY

SPARTON. A 2 row feed barley which has out-yielded other sorts in many parts of the Great Plains, very plump grain with stiff straw. F. O. B. here, ½ bu., \$1.25; bu., \$2.20.

TREGAL. This new variety from the N. D. Experiment Station is a smooth awned cross from the Trebi, a heavy yielder it is valuable mainly as a feed variety but with malting possibilities. F. O. B. here, ½ bu., \$1.25; bu., \$2.20.

KINDRED or 'L'. A malting barley, high yielding and of good quality. A new N. D. variety. Lb., postpaid, 25c; F. O. B. here, ½ bu., \$1.40; bu., \$2.40.

MONTCALM. A new Canadian malting barley. A heavy yielding and high quality variety. Lb., 35c, postpaid; F. O. B. here, ½ bu., \$1.40; bu., \$2.40.

MOORE. The new Wisconsin malting variety. Write for prices.

Prices quoted on other varieties upon request.

SPELTZ OR EMMER

SEED SPELTZ or EMMER. This is the ordinary speltz grown throughout the state and without a pedigree. Fine horse, hog, poultry and cow feed. F. O. B. Bismarck, bu. (40 lbs.), \$1.60; 100 lbs., \$3.75.

SEED FLAX

Write for Flax Prices

KOTO. Resistant to pasmo and moderately resistant to rust, very wilt resistant. Originated at the Mandan Field Sta. Blue flowers, brown seeds, early.

No. 5128. Large brown seed, blue flower. Very late, very resistant to rust and wilt. Very high yielding. Tall and stout. Sow early.

DAKOTA. The newest of the varieties to come from the North Dakota Experiment Station. Brown seed, blue flower, early maturing, resistant to wilt and rust.

SHEYENNE. Another new rust and pasmo resistant sort. Large and sturdy. Blue flowers and brown seed. Medium tall. Early maturing.

ARROW. A very early and hardy variety from Montana.

PIONEER BRAND FIELD PEAS

NORTH DAKOTA GROWN EARLY CANADA FIELD PEAS. Field Peas are one of the most useful of crops. The straw is equal to clover hay, and the grain is one of the most nourishing of foods for all kinds of stock. In order to aid in harvesting it is recommended that they be sown with oats or Spring rye. Lb., 30c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.20; 100 lbs., \$10.00.

WHITE MARROWFAT. Shorter than Canadian peas with a very large pea, also a bit later. A heavy yielder and a fine pea for human consumption. F. O. B. Bismarck, 10 lbs., \$1.30; 100 lbs., \$12.00.

PIONEER BRAND BUCKWHEAT

Sow ½ to 1 bushel per acre, or 25 to 50 lbs.

This is the variety commonly grown in the Northwest, and which is used so extensively there as a late crop, and as a smothering crop for land badly infested with weeds. Buckwheat is an excellent poultry food, a fact that is too little appreciated by most poultry raisers. F. O. B. Bismarck, 25 lbs., \$2.00; 50 lbs., \$3.25; 100 lbs., \$6.50.

SEED OATS

MARION. A product of the Iowa Ex. Sta.; medium early, high yielding white oat, resistant to stem rust and partially to leaf rust. Also resistant to the new and serious blight disease. F. O. B. here, ½ bu., 80c; bu., \$1.50.

AJAX. A new Canadian oat which we shall be able to supply. A medium early white variety with good resistance to stem rust and some resistance to leaf rust. F. O. B. here; ½ bu., 80c; bu., \$1.50.

VICLAND. This oat from the Iowa Experiment Sta. is a rather short, early yellow oat, strong stemmed, heavy yielding, resistant to loose and covered smut, leaf rust and some forms of stem rust. F. O. B. here, ½ bu., 80c; bu., \$1.50.

GOPHER. Developed from the Kherson type. Very early and at the same time very heavy yielding. Not rust resistant. A product of the Minnesota Experiment Station. F. O. B. Bismarck, ½ bu., 75c; bu., \$1.40.

BENTON. The new helminthosporum disease resistant oat from the corn belt. High yielding and sturdy. F. O. B. here, ½ bu., \$1.00; bu., \$1.75.

SEED WHEAT

MIDA. A highly disease resistant spring wheat from the N. D. Exper. Sta. High yielding, strong and sturdy. F. O. B. here, ½ bu., \$1.75; bu., \$3.00.

PILOT-13. A very rust resistant, non-shattering variety which has done very well in our territory. Postpaid, 1 lb., 25c. F. O. B. here, ½ bu., \$1.75; bu., \$3.00.

STEWART. A new resistant, high yielding durum from the N. D. Experiment Sta. Equal to red durum for late planting. Postpaid, lb., 25c; F. O. B. here, ½ bu., \$1.75; bu., \$3.00.

CADET. A new rust resistant beardless spring wheat. A late sort adapted to the northern counties. Introduced by the North Dakota Agricultural College. Suitable for straight combining. Postpaid, 1 lb., 25c. F. O. B. here, ½ bu., \$2.00; bu., \$3.25.

RESCUE. The only variety resistant to saw fly. Postpaid, 1 lb., 35c; ½ bu., \$2.00; bu., \$3.25.

VESTA. A relative of Rival from the N. D. Station. A grand combine wheat, as it stands for weeks without shattering. May be planted very late and will still make a good crop. F. O. B. here, ½ bu., \$1.75; bu., \$3.00.

RUSHMORE. The new S. D. spring wheat. Write for prices.

RYE

PROLIFIC SPRING RYE. This is a new spring rye which very much out-yields the common sort, supply is limited and hard to locate. A very large type. F. O. B. Bismarck, ½ bu., \$2.00; bu., \$3.00.

IMPERIAL WINTER RYE. A new rye from Wisconsin. Write for prices.

We shall be glad to quote on field seed varieties not listed.

NEW SEAMLESS COTTON GRAIN SACKS @ 66c EACH F. O. B. HERE.

Grass, Clover and Alfalfa Prices Subject to Change Without Notice—Sacks Included in Prices

WILL'S PIONEER BRAND GRASS SEED

DIRECTIONS FOR MAKING LAWNS

The seed bed should be spaded or plowed to a depth of 6 or 7 in. All lumps should be broken up, the surface smoothed with rake or plank and well firmed. Sow evenly on a quiet day, rake in well and roll if possible. Use seed at the rate of 1 lb. per 200 square ft. If possible water thoroughly at once.

Good loam soil is best; for the finest lawn black dirt may be spread several inches thick but a good turf of the hardier varieties does not require it.

Our Emerald Mixture should be used for the best lawns where water is available.

Red Top is adapted to shady spots.

For a little harder conditions but where some watering is possible, use our Dakota Mixture.

For a good looking dry land lawn, farm yard or large public grounds use Buffalo Grass Stolons or seed, Fairway Crested Wheat Grass or Slender Wheat Grass.

Do not permit the watered lawn to dry out at all until the grass is well up.

Fertilize from year to year as indicated by the condition of the lawn.

We shall be glad to give advice and make up special mixtures for airports, parks, public school grounds, football fields, etc.

WILL'S EMERALD LAWN MIXTURE

Registered U. S. Patent Office.

We include no white clover but can supply it to those desiring it at prices shown.

The Emerald Mixture has been planted in North Dakota and the Northwest for 60 years, and beautiful lawns throughout the Northwest testify to its excellence.

This mixture contains no coarse seeds and is composed of the best varieties of the very best quality obtainable. Kentucky blue grass is the foundation of the mixture.

EMERALD is the finest and best mixture for the lawn that can receive proper care; accept no substitute for it. Postpaid, 1 lb., 95c; F. O. B. here, 5 lbs., \$4.00; larger lots @ 77c.

WILL'S DAKOTA LAWN MIXTURE

This is a utility mixture for those who do not wish to give the necessary care and attention for the fine lawn and yet want a nice appearing grass plot around the house; also useful for street, boulevards and large public building grounds. Made up of coarser and hardier grasses, it still requires some water. Clover may be used with it to advantage. Postpaid, 1 lb., 90c; F. O. B. here, 5 lbs., \$3.70; larger lots @ 72c.

KENTUCKY BLUE GRASS

The foundation of hardy lawn grass. We handle nothing but the fancy, clean seed. Postpaid, 1 lb., 85c; F. O. B. here, 5 lbs., \$3.50; larger lots @ 67c.

CREeping BENT GRASS SEED

This is very popular for lawn grass purposes and makes a wonderful lawn after it is once established. Must be planted and tended very carefully until it has made a small growth. Requires lots of water. Lb., postpaid, \$1.10; F. O. B. here, larger lots @ 95c.



Emerald Lawn on State Capitol Grounds

RED TOP OR HERD'S GRASS

Useful in the Northwest principally for seeding shady spots, slough beds, basins, and any place where the water may stand at times. Lb., \$1.00, postpaid; F. O. B. here, 5 lbs., \$4.10; larger lots @ 80c.

FAIRWAY CRESTED WHEAT GRASS

This strain developed at the Saskatchewan Experiment Station answers very well for large lawn areas, public grounds, parks, football fields, etc. It is a fine grass, stands cutting well, keeps green late. Is a trifle bunchy.

Also a very good hay and forage plant. Heavier yielding and leafier than the Standard Strain, yet in a dry year it may not yield quite as much. Lb., postpaid, 90c; F. O. B. here, lb., 75c; 10 lbs., \$7.20; larger lots @ 65c.

BUFFALO GRASS SEED. (Treated to improve germination.) Postpaid, 1 lb., \$1.55; F. O. B. here @ \$1.40 per lb.

BUFFALO GRASS PLANTS

This grass is undoubtedly the most perfect lawn grass for dry conditions. It spreads by runners and produces a dense mat on the ground. We list this grass by the 100 rooted plants. The plants are set out from 6 to 15 inches apart each way. In one season the whole area should fill in. Needs practically no mowing. Plants can not be reset till new growth has started. Consequently we cannot send plants out till May or June. Per 100 plants postpaid, 65c (enough for 140 sq. ft.); 500, \$3.00; F. O. B. here, 1000, \$5.00. Plants from Theodore Roosevelt's Elkhorn ranch in the Little Missouri Bad Lands, finer and slower growing. Per 100, 75c, postpaid.

All Grass Seed is in heavy demand and short supply this year. We cannot guarantee prices and they are likely to change anytime.



Buffalo Grass Lawn

PASTURE & HAY GRASSES

STANDARD CRESTED WHEAT GRASS. The hardiest and most drouth resistant grass yet discovered. Introduced by the Department of Agriculture and especially well tested and recommended after years of work by the Dickinson sub-experiment station. Also carefully tested and very favorably reported upon by the U. S. Northern Great Plains Field Station at Mandan. The outstanding variety for the Great Plains. Postpaid, 1 lb., 75c; F. O. B. here, 10 lbs., \$6.00; 50 lbs., \$28.00; 100 lbs., \$55.00.

WESTERN RYE OR SLENDER WHEAT GRASS. Hardy, drought resistant, of good quality, a native variety. It stands cutting better than the brome and hay is of better quality. Becomes sod bound quickly. Postpaid, 1 lb., 55c; F. O. B. here, 10 lbs., \$4.00; 50 lbs., \$18.00; 100 lbs., \$35.00.

BROME GRASS—BROMUS INERMIS (Austrian or Russian). Brome Grass is an exceedingly valuable pasture grass, especially for early Spring and late Fall. Postpaid, 1 lb., 75c; F. O. B. here, 10 lbs., \$6.00; 50 lbs., \$28.00; 100 lbs., \$50.00.

LINCOLN BROME. This is a heavy yielding and uniform selection which has become very popular. Postpaid, 1 lb., 80c; F. O. B. here, 10 lbs., \$6.50; 50 lbs., \$31.00; 100 lbs., \$60.00.

PIONEER BRAND TIMOTHY SEED. We offer only northern grown Timothy seed which is from acclimated fields. 1 lb., 55c, postpaid. F. O. B. Bismarck, 10 lbs., \$4.00; 50 lbs., \$17.00; 100 lbs., \$32.00.

OTHER GRASSES

MEADOW FESCUE or ENGLISH BLUE GRASS. This grass is one of the hardiest grasses for the Northwest. It also withstands severe cold very well. Does best in rich soil. **Postpaid, 1 lb., 55c; F. O. B. here, 10 lbs., \$4.00; 50 lbs., \$19.00; 100 lbs., \$35.00.**

REED CANARY GRASS, OR PHALARIS. 4 lbs. per acre. This is a native of the low flooded sections of our Missouri River bottom lands and the sloughs of Minnesota. Will not stand heavy alkali. The best grass for wet spots that we have. **Postpaid, 1 lb., \$1.25; F. O. B. here, 10 lbs., \$11.00; 50 lbs., \$53.00; 100 lbs., \$103.00.**

CANADA WILD RYE. One of our summer pasture natives. **Postpaid, 1 lb., 80c; F. O. B. here @ 70c per lb.**

GREAT PLAINS PASTURE MIXTURE. This is an item for which there seems to be an increasing demand. The mixture which we list is one recommended at the N. D. Experiment Station. Sow 10 or 11 lbs. per acre. It consists of 3 lbs. brome, 2 lbs. crested wheat, 3 lbs. yellow sweet clover, 1 lb. alfalfa, 3 lbs. wild rye. **Postpaid, 1 lb., 65c; F. O. B. here, 10 lbs. \$6.00; larger lots @ 54c.**

MIDLAND PASTURE MIXTURE. For the eastern third of our State. Seed 10 to 14 lbs. per acre. Consists of 6 lbs. brome, 3 lbs. wild rye, 2 lbs. alfalfa, 2 lbs. yellow sweet clover. **Postpaid, 1 lb., 65c; F. O. B. here, 10 lbs., \$5.75; larger lots @ 52c.**

Write for prices on Ree or Intermediate Wheat Grass, Western Wheat Grass, Grama Grass, Russian Wild Rye, etc.

PIONEER BRAND CLOVER SEED

ALSIKE or SWEDISH CLOVER. It is low growing, and if sown for hay should be mixed with other clover, timothy or red top. Its chief value in the Northwest is for sowing in very wet spots where water stands at times and other clovers will not grow. **Postpaid, 1 lb., 70c; F. O. B. Bismarck, 10 lbs., \$6.00; large lots @ 58c.**

MEDIUM RED AND MAMMOTH. These are often badly mixed and we may send a mixture or substitute one for the other. Adapted only to well watered soil free from alkali. **Postpaid, 1 lb., 85c; F. O. B. here, 10 lbs., \$7.00; larger lots @ 62c.**

WHITE LAWN CLOVER. For those who like clover in their lawns we offer this very high quality seed. It should be mixed at the rate of 1 lb. to 5 lbs. of grass seed. May also be scattered on old lawn. **Lb., postpaid, \$1.15. F. O. B. here, 5 lbs., \$5.00.**

Korean Lespedeza

A new forage crop that has proven very useful farther south. It is able to endure drouth, heat and poor soil and still make excellent pasture. An annual legume. Showed up well in our trials for the past two years. **Lb., 40c, postpaid, F. O. B. here, 10 lbs., \$2.00; 50 lbs., \$9.25; 100 lbs., \$18.00.**

SWEET CLOVER

Yellow and white sweet clover may contain up to 10% of the opposite color.

YELLOW BLOSSOM SWEET CLOVER SEED. Outside the lower and heavier soil sections of the Northwest the Yellow Blossom variety seems to be better adapted than the white. Its advantages are greater hardiness as regards a combination of cold and drouth, finer quality of hay, a crown like alfalfa so that it may be cut as close to the ground as one wishes. **Lb., 40c, postpaid. F. O. B. here, 10 lbs., \$2.75; 100 lbs., \$25.00.**

HUBAM ANNUAL SWEET CLOVER

Lb., postpaid, 45c; 10 lbs., \$3.25; 100 lbs., \$30.00.

MIXED SWEET. Perfectly good seed for sowing anywhere, but cannot pass as either pure yellow or white. **F. O. B. here, 10 lbs., \$2.50; 100 lbs., \$24.00.**

WHITE BLOSSOM BIENNIAL. The Tall, Late Sort that is in greatest demand if you wish to sell seed. This is the only kind used in Iowa and Illinois where 90 per cent of the seed from the Northwest is sold. Must be cut high for hay as it grows from the bases of the branches. **1 lb., 40c, postpaid. F. O. B. here, 10 lbs., \$2.75; 100 lbs., \$25.00.**

PIONEER BRAND ALFALFA SEED

NORTHWESTERN GROWN VARIEGATED ALFALFA. The fact has become pretty well established that only the strains of alfalfa with variegated flowers are hardy in the Northwest. Such strains are Grimm, Cossack, Ladak, etc. The seed which we offer under this head is seed from fields with variegated bloom. The mere fact of hardiness and variegated blossom prove that it belongs to one of the hardy strains. **Lb., 72c, postpaid. F. O. B. Bismarck, 10 lbs., \$6.00; 100 lbs., \$55.00.**

We shall be glad to quote upon request best prices on certified Ladak, Grimm, Ranger and Cossack Alfalfa. We hope to be able to offer all of them as the season advances.

Prices are subject to change. We shall be glad to send a late blue price list upon request.

FORAGE CROP SEEDS

Prices include sacks, and are subject to changes without notice

Write for prices on large lots. Get Our Special Price List, issued at intervals after January 15th.

Hay Millets

DAKOTA-KURSK. The very best hay Millet for North Dakota yet found. A tremendous yielder of fine quality hay and a heavy seed bearer. Our seed came from the U. S. Dept. of Agriculture. Lb., 40c, postpaid. F. O. B. here, 10 lbs., \$1.25; 50 lbs., \$5.25; 100 lbs., \$10.00.

SIBERIAN MILLET. This is the most planted variety in the Northwest. Does not degenerate from planting northern seed as do some sorts. We supply either northern or southern grown, as they are of equal value. Lb., 35c, postpaid. F. O. B. here, 10 lbs., 85c; 50 lbs., \$4.00; 100 lbs., \$7.00.

WHITE WONDER MILLET. The White Wonder has come to be recognized as one of the very best hay millets for the Northwest. It is drought resistant with heavy foliage and broad leaves. Lb., 40c, postpaid. F. O. B. here, 10 lbs., \$1.00; 50 lbs., \$4.50; 100 lbs., \$8.50.

HUNGARIAN MILLET. This variety is one of the best adapted to northern conditions of any sort. It is suited to cooler weather. Lb., 40c, postpaid. F. O. B. here, 10 lbs., 95c; 50 lbs., \$4.50; 100 lbs., \$8.50.

JAPANESE MILLET. This variety is of a different family from the others. It does best on heavy, moist soil. It is better for horses than the ordinary sorts. Lb., 40c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.10; 50 lbs., \$5.00; 100 lbs., \$9.50.

SUNFLOWER SEED

MENNONITE. This is the larger seeded kind with short stalks, early. Postpaid, 1 lb., 40c; F. O. B. here, 10 lbs., \$2.00; larger lots @ 18c.

SHORT EARLY RUSSIAN. A very good yielder and very early. Came to us from a Russian Experiment Station. Prices same as for Mennonite.

COMMON. Valuable as a poultry and parrot food. Postpaid, 1 lb., 35c; F. O. B. here, @ 15c per lb.



If you cannot buy these locally, write us

Soy Beans

Extra early sorts raised in our section.

KABOTT. A very early and prolific soybean, useful as a vegetable and field variety. Lb., postpaid. 35c. F. O. B. here, 10 lbs., \$1.25; 50 lbs., \$5.50; 100 lbs., \$10.00.

MINNSOY. Our stock of this early sort has been grown in our state for the past several years. Early and matures safely. Postpaid: lb., 30c; F. O. B. here, 10 lbs., \$1.25; 50 lbs., \$5.50; 100 lbs., \$10.00.

Hog or Proso Type Millets

CROWN. A new Canadian variety of Proso Millet. In Manitoba trials it has consistently outyielded all other varieties. It is highly recommended by the Brandon Experiment Station. Postpaid, lb., 25c. F. O. B. here, 10 lbs., 50c; 50 lbs., \$1.75; 100 lbs., \$3.25.

EARLY FORTUNE or RED PROSO. This red form of the proso or hog millet type is in especial favor for mixture in poultry foods. One of the surest crops in the Northwest, and especially valuable as a grain crop for late planting. Lb., 25c, postpaid. F. O. B. Bismarck, 10 lbs., 50c; 50 lbs., \$1.75; 100 lbs., \$3.25.

BROOM CORN or YELLOW PROSO. The first type of Proso grown in the Northwest. Color varies from yellow to creamy white. Lb., 25c, postpaid. F. O. B. here, 10 lbs., 60c; 50 lbs., \$2.00; 100 lbs., \$3.75.

BLACK VORONESH. A late sort with black seed. A very heavy yielder in a favorable season. Lb., 30c, postpaid. F. O. B. here, 10 lbs., 50c; 50 lbs., \$2.00; 100 lbs., \$3.50.

DWARF ESSEX RAPE

Sow 6 to 10 lbs. per acre.

Very popular for hog and sheep pasture where soil is good and fairly well watered. Keeps growing out as it is eaten off and is not easily damaged by frost. Lb., 40c, postpaid. F. O. B. Bismarck, 10 lbs., \$1.75; larger lots @ 16c.

Sudan Grass

The most productive and fastest growing of annual forage plants. Hay is of best quality for every kind of stock. Can be cut several times in a favorable year. Do not sow before June 1st. F. O. B. here, 10 lbs., \$1.10; 50 lbs., \$5.00; 100 lbs., \$9.00.

SWEET-SUDAN. F. O. B. here, 10 lbs., \$1.25; 50 lbs., \$6.00; 100 lbs., \$11.00.

CANE OR SORGHUM

Write for Prices

LOW PRUSSIC ACID CANE. A new development from South Dakota. The dangerous poisonous quality has been almost bred out of this strain. In addition it is early and very productive. Postpaid, lb., 40c.

RANCHER. A newer S. D. Station variety.

EARLY AMBER. Earliest and most widely used of all the sweet sorghums for planting in the Northwest. Excellent both for silage and roughage. Price lb., postpaid, 40c.

EARLY GRAIN SORGHUM

Sooner Milo

One of the newer grain sorghums which we have been watching in our trials. With us it has been the earliest and surest, in addition it has produced nearly twice as much growth as any other extra early sorghum. Lb., 40c, postpaid. Write for prices.

NORGHUM. A new very early grain sorghum developed at the S. D. Experiment Station. Write for prices.

GREENHOUSE DEPARTMENT



Jumbo Pansy

Our Greenhouses are located at 315 Third Street, one block North of the U. S. Post Office. We invite you to come in and see our display of plants and cut flowers.

The North Dakota sales tax applies on all greenhouse products except vegetable plants. All prices are subject to change without notice. We can assume no transportation risks, after shipping stock in good condition. Because of the difficulties involved in shipping perishable goods we cannot guarantee safe delivery of such goods and therefore do not advise customers beyond Zone 3 to order such items.

WILL'S JUMBO PANSIES

These are sturdy plants bearing mammoth blooms in a wide range of colors. Postpaid, 75c dozen; \$4.50 for 100.

GERANIUMS

From 3" pots: Postpaid, 60c each; \$6.00 dozen.

Better Times. One of the new low growing red geraniums. The double blooms are the bright red of the Better Times Rose, from which it gets its name.

Mme. Buchner. Reputed to be the best double white.

Olympic Red. Very sturdy, low growing plant with large salmon-red blooms.

Rosina. A new variety developed at the Mandan Northern Great Plains Field Station. The double blooms are of a salmon pink. We strongly recommend this geranium.

VINES

Use vines for indoor or outdoor decoration. They are the draperies of your home.

From 3" pots: Postpaid, 60c each.

Grape Ivy. Large leaf resembling a grape leaf. Fast grower.

Hahn's Self Branching Ivy. A good plant for hanging baskets and wall vases.

Philodendron. Large heart shaped leaf. Withstands gas and rough treatment better than most vines.

From 2 1/2" pots: Postpaid, 45c each.

German Ivy. Often called Parlor Ivy. A fast bushy grower. Fine for window boxes.

Tradescantia (Wandering Jew). Fast grower. We have plain green, white and green; purple and green leafed varieties.

Vinca Variegata. Green leaf edged with white. Good for porch boxes and urns.



Olympic Red Geranium

FOLIAGE PLANTS

These are fine ornamental house plants. They are especially nice for ferneries, dish gardens and wall vases.

From 3" pots: Postpaid, 60c each.

Coleus. Brilliantly colored foliage plants for beds, pots and borders. Combinations of green, yellow and red predominate. Grow in full sun to get best coloring.

Ferns. These are fine specimens of the best of all house plants.

Boston. The old Favorite.

Sprengerl. Plume Fern.

Plumosus. Lace fern.

Peperomia. Both variegated and in plain green. Shiny round leaf.

Sansevieria. Snake Plant or Mother-in-law's Tongue.

Nephtytis. Arrowhead plant. Grows in either soil or water.



All-Double Petunia

ALL-DOUBLE PETUNIA

From 3" pots: Postpaid, 60c each. Assorted colors. Large, frilled, double blooms which bloom early and are one of the last flowers to leave us in the fall. Suitable for the window box or border.

GENERAL BEDDING PLANTS

From 3" pots: Postpaid, 35c each; \$3.50 dozen.

For general bedding purposes, these are the most popular and satisfactory plants: Ageratum, Lobelia, Single Petunia, Salvia, Sweet Alyssum. We have them all to give you a variety of color choice for your spring beds.

TRANSPLANTED BEDDING PLANTS

Postpaid: 65c dozen; \$2.10 for 50c; \$3.75 for 100.

In this group we have Asters, Snapdragons, Ageratum, Sweet Alyssum, Single Petunia, Salpiglossis, Salvia and Verbena.

LANTANA

From 3" pots: Postpaid, 60c each; \$6.00 dozen. Clusters of verbena-like flowers in shades of yellow and burnt-orange. Bloom from spring until frost. May be grown in pots the year round. Very good for bedding and window boxes.

NORTH DAKOTA CUSTOMERS MUST PAY 2% Sales Tax on Greenhouse Stock



Margaret Fulton

GLADIOLUS

From the thousands of gladiolus varieties today, we have chosen those we consider best in their class. Gladioli are easy to grow, requiring a well-drained soil and a sunny position. Plant bulbs about 5 inches deep after danger of frost is over. The corms will last for years if kept in frostproof storage during the winter.

Our Bulbs are large size, No. 1—young, clean stock.

ALL BULBS PRICED DELIVERED

\$1.65

**WILL'S ARISTOCRAT GLADIOLUS
COLLECTION**

\$1.65

Lovely collection of twenty beauties. One bulb of each listed below. Some early and some late blooming. Each bulb labeled. For 20 years we have offered an Aristocrat Collection that has been a sensation for quality and price. All bulbs large No. 1. Each bulb labeled. **20 named bulbs \$1.65, postpaid.**

ABU HASSAN. Deep blue-violet with darker throat markings. Blooms good size and early.

BIG TOP. Huge pink with deeper center. Winner of many blue ribbons in 1949.

BLACK OPAL. Very deep velvety red. Large blooms, long spike. Winner of many blue ribbons in Eastern Gladiolus shows.

CORONA. A giant white with pink ruffled edge. A 1949 blue ribbon winner.

ETHEL CAVE COLE. Clear light pink. Makes a spike of 9-10 large open blooms, on head of 20-24 buds.

ELIZABETH THE QUEEN. Large lavender blooms; heavily ruffled. A 1949 Blue Ribbon winner.

LEADING LADY. Creamy white, giant flowers on tall straight stems. Very good for church and wedding decorations.

RED CHARM. Very large, wide open medium shade of red blooms. A good cut flower.

SALUTATION. Large, beautiful shell pink, with deeper pink throat. A real beauty.

SPOTLIGHT. A clear light yellow with a dash of scarlet in the throat. Won many blue ribbons in 1949.

Price, any of above, 20c each; 3 of same variety, 50c; 12 of same variety, \$1.50; 100 of same variety, \$15.00.

BIT O' HEAVEN. A lively burnt orange with yellow throat. A consistent prize winner.

CRIMSON GLOW. A beautiful deep crimson. Much admired by our customers as a cut flower.

GOLD DUST. A very fine new deep yellow on long stem.

KING LEAR. Early, clear deep purple with silver line on edge of petals. Large blooms, heavily ruffled.

MARGARET BEATON. Immense white with flame colored blotch in center. Blue ribbon winner.

MARGARET FULTON. Early, large coral pink. One of the best for cutting.

PICARDY. Large rich apricot-pink blooms. An old favorite.

QUEEN OF BREMEN. Early bright pink-lavender. Exquisite large blooms.

RAPTURE. Large salmon-pink bloom. Always a dependable bloomer.

SNOW PRINCESS. A large white with strong stems. Much used for church and wedding decorations.

All bulbs labeled—Price: Postpaid, 15c each; 3 of same variety, 35c; 12 of same variety, \$1.15; 100 of same variety, \$8.00.

WILL'S PIONEER GLADIOLUS MIXTURE

Will's Pioneer Gladiolus Mixture for 1950 is made up of the widest possible variety of colors, types and blooming seasons. These large, clean young bulbs of the better sorts will provide you with an abundance of bouquet flowers through the summer. **12 for 75c; 25 for \$1.45; 50 for \$2.75; 100 for \$5.00.**

MADEIRA VINE BULBS

A popular, fast growing climber with light green foliage for porch or arbor. Large dry bulbs. **20c each; 3 for 50c; 12 for \$1.45.**

HOUSE PLANTS

Our selection of house plants naturally varies with the seasons, but these favorites we have in season. **WRITE FOR PRICE LIST OF SEASONAL PLANTS.** Azalea, Begonia, Cacti, Calceolaria, Cineraria, Coleus, Cyclamen, Fern, Fuchsia, Easter Lily, Geranium, Hydrangea, Ivy, Pelargonium, Petunia (double), Philodendron, Poinsettia, Sansevieria (Snake plant).

North Dakota Customers Must Pay 2% Sales Tax on all Bulbs and Bedding Stock.



Mixed Glads



Rose Glory

ROSE GLORY. A large rosy-pink bloom. Free and early. Each 45c postpaid.
SANHICAN'S BLUE BIRD. Rich bluish-lavender; large and beautifully formed. Each 45c postpaid.
ZION'S DELIGHT. A beautifully formed large red Honor Roll dahlia. Each 45c postpaid.

WILL'S DAHLIAS

Dahlias are among the most magnificent and colorful of all summer flowers for garden display or cutting. Size of the tuber makes little difference. Some strong, better growing sorts produce small tubers. Each tuber is individually wrapped and labeled. We list only the large decorative type of dahlia. Free cultural directions included with each order.

WILL'S GARDEN CHARM DAHLIA COLLECTION

One of each of the named dahlias listed below (6 dahlias) attractively boxed with colored label. Each root is labeled and cultural directions are enclosed. This collection makes a lovely gift. We are offering this for the first time since the war. A \$2.95 value for only \$2.25. Price \$2.25 Postpaid.

LARGE DECORATIVE DAHLIAS

AVALON. A very fine large clear yellow. A profuse bloomer. Each 45c postpaid.
BARBARA REDFERN. A very pleasing combination of gold with blend of rose. A large bloom. Each 60c postpaid.
MARGARET WOODROW WILSON. A magnificent large creamy white shaded pink. Very popular. Each 55c postpaid.

CAPITAL DAHLIA MIXTURE

A mixture of all colors and types in the large dahlia class. This consists of tubers which sell at from 35c to \$5.00 each, on which names have been lost, or of which there are too few of a variety to list separately. Postpaid, 6 tubers for \$1.65; 12 for \$3.00.

CANNA BULBS

Grow Cannas for a glorious border or bed. These strong dormant roots give a variety of richly colored flowers and attractive tropical foliage.

KING HUMBERT. 4 ft. Large orange-scarlet flowers. Foliage is bronze; very broad and handsome.

THE PRESIDENT. 4½ ft. The most popular canna. Has enormous blooms of rich glowing scarlet.

CITY OF PORTLAND. 3½ ft. Beautiful huge, bright pink flowers and green foliage. Makes a very striking bed.

YELLOW KING HUMBERT. 4 ft. Large deep yellow blooms with vermillion spots.

TUBERS, postpaid, 3 of any one variety, 50c; 6 of any one variety, 90c; 12 for \$1.75.

North Dakota Customers must pay 2% Sales Tax on Tubers.



The President



Transplanted Cabbage Plants

TRANSPLANTED VEGETABLE PLANTS

Our vegetable plants are grown from finest grade seed of varieties best adapted to the Northwest. We do not recommend shipping plants beyond the fourth zone (600 miles).

ON PLANT ORDERS LESS THAN 60c, ADD 15c FOR PACKING

CABBAGE. Early. Ready in April and May. Golden Acre, Copenhagen Market, Red Dutch (red to center).

CABBAGE. Late. Ready in June. Danish Ballhead.

CAULIFLOWER. Ready in late April and May. Super Snowball.

CELERY. Ready in June. Golden Self Blanching and Utah.

EGG PLANT. Ready in May and June. Black Beauty.

GROUND CHERRY. Ready in May and June.

PEPPER. Ready in May and June. King of the North, Ruby King.

TOMATO. Ready in May and June. Chatham, Firesteel, Red River, Victor, Yellow Pear.

**50c per Dozen
\$2.40 per 100
Postpaid**

Price based on one variety only.

**55c per Dozen
\$3.10 per 100**

Postpaid

Price based on one variety only.

If your order is divided into more than one variety add 10% to these postpaid prices.

Pioneer Nursery of the Northwest

BISMARCK NURSERY (ESTABLISHED 1882)

Oldest Nursery in North Dakota—Member American Association of Nurserymen

NOTICE TO CUSTOMERS: READ CAREFULLY. We use our utmost endeavors to see that all stock shipped out is true to name and of the quality represented or better. In event that goods upon receipt prove to be wrongly marked or inferior we shall be glad to refund customer's money or replace the stock as he may elect. We are not responsible for damage to goods in transit, therefore you must examine at the express or freight office, and have any damage noted upon your express or freight receipt. We are always glad to replace goods injured in transit, providing receipt showing damage is returned to us so that we may enter claim and reimburse ourselves.

We do not guarantee stock after delivery to transportation Co., but pack them just as well as we possibly can, and they are nearly always delivered in good condition.

REPLACEMENT. If stock arrives in good condition and our planting instructions are followed, we are willing to replace once any stock lost, at half price.

TREES BY MAIL. We can mail parcels up to 70 pounds. Where postage is not included, we will send stock C. O. D. to cover postage, you paying on receipt of trees.

FALL PLANTING. Peonies and other perennial flowers do exceptionally well when planted in Fall. Ask for special Fall Price List. Can also supply trees, shrubs, etc., at current catalog prices in Fall.

PLANTING INSTRUCTIONS. Complete planting instructions will be enclosed with each order of nursery stock when shipped.

SHIPPING. Orders will be forwarded at our discretion and when we can ship. Orders are not taken for shipment on any special date unless specifically so acknowledged. Express is the safest and quickest way to ship. Prices are F. O. B. here, customers paying transportation unless postpaid prices are definitely quoted.

CANADIAN ORDERS must go by freight or express, and must be received by us before May 1st. Permit number must accompany order.

VISITORS WELCOME. We are always glad to conduct you personally through our nurseries. Call at office on Fourth street, or go south on Seventh street, which will bring you into the nurseries.

CERTIFICATE OF EXAMINATION. This is to certify that I have this date examined the Nurseries and stock of Oscar H. Will & Company and found the same to be free from dangerously injurious insects and Plant Diseases.

J. ALEX MUNRO

Dated Sept. 3, 1949.

State Nursery Inspector
Bismarck, N. D.

NORTH DAKOTA CUSTOMERS MUST PAY 2% SALES TAX ON NURSERY STOCK

Nursery Prices Marked Postpaid Apply to a Distance of Not Over 600 Miles or to no Zone Beyond the 4th

HARDY SEEDLINGS FOR GROVES, SHELTER BELTS, WINDBREAKS, HEDGES



Horse Chestnut

Green Ash—				Siberian Elm—			
	100	500	1000		100	500	1000
6-12 in.	\$2.00	\$ 8.50	\$17.00	12-18 in.	\$4.00	\$17.00	\$32.00
12-18 in.	2.50	12.50	24.00	18-24 in.	7.00	26.00	50.00
18-24 in.	3.50	16.00	31.00	2- 3 ft.	10.00		
2- 3 ft.	4.00			Caragana—			
Box Elder—				6-12 in.	3.00	14.00	27.00
6-12 in.	3.00	12.00	20.00	12-18 in.	3.50	17.00	33.00
12-18 in.	5.00	21.00	40.00	Russian Olive—			
Cottonwood—				12-18 in.	5.00	24.00	45.00
6-12 in.75	3.00	5.00	2- 3 ft.	10.00	45.00	75.00
12-18 in.	1.00	3.75	7.00	Sand Cherry			
18-24 in.	1.25	4.50	8.50	6-12 in.	8.00	35.00	65.00
Diamond Willow—				Choke Cherry—			
.....	1.25	5.00	9.00	6-12 in.	8.00	36.00	66.00
Diamond Willow				Wild Plum—			
Cuttings	1.00	3.50	6.50	12-18 in.	5.50	26.00	50.00
American Elm—				N. D. Burr Oak—			
12-18 in.	3.00	13.00	25.00	6-12 in., each, 10c; doz. \$1.00.			

For Shelter Belts and Windbreaks Plant About 800 Trees per Acre

DOWAX. To spray on evergreen and other Nursery Stock for winter protection. Price, F. O. B. here, 1 lb., 45c; 5 lbs. @ 42c.

NUT BEARERS

BLACK WALNUT (*Juglans niger*). One of the few nut trees that we can grow in North Dakota and then only from hardiest stock. Price, 2 to 3 ft., 50c.

BUTTERNUT. A trifle harder than the walnut and a handsome tree. Price, 2 to 3 ft., each, 45c.

HORSE CHESTNUT. The truly hardy and beautiful Ohio Buckeye, grown by us for many years. Price, 3 to 4 ft., 75c.

HAZELNUT. The only plant bearing edible nuts native to North Dakota. Found over most of the state and perfectly hardy. Ours are from both species, the *rostrata* and *americana*. These can not be distinguished except from the fruit. 4 to 6 ft. tall, forming a dense bush, the nuts hang on in clusters, are relatives of the filbert, edible and pleasant to eat. Foliage takes on a lovely yellow in fall. Price, 12 to 18 in., each, 30c; 12, \$3.00.

Hazelnut

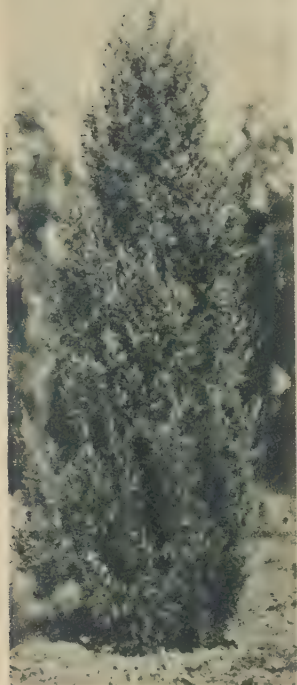
Black Walnut



HARDY EVERGREENS

for the NORTHWEST

Balled
and
Burlapped
Stock



Bad Lands Cedar

Several times transplanted. Price: 12 to 18 in., each, \$2.00; 5 for \$9.00; 18 to 24 in., each, \$4.50.

SELECTED BLUE SPRUCE. Best colored blue selected from the Colorado spruce. Limited stock. 18 to 24 in., each, \$6.00.

N. D. BAD LANDS CEDAR (*Juniperus scopulorum*). Our native type of the beautiful Rocky Mt. Juniper, with a large proportion of silver specimens. The hardiest evergreen under most severe conditions and very ornamental, too. Price: 12 to 18 in., each, \$1.50; Balled and burlapped, 18 to 24 in., each, \$2.00; 2 to 3 ft., each, \$3.00.

BAD LANDS TRAILING JUNIPER (*Juniperus horizontalis*). Color, a lovely bluish silver in summer, bronze in winter. A beautiful ground cover. Very hardy. Seedling plants. Price: 6 to 12 in. spread, each, \$1.50; 5, \$7.00.

BUSH JUNIPER (*Juniperus communis*). A hardy native evergreen shrub outstanding for foundation planting and similar purposes. 8 to 15 in. spread, each, \$1.50.

SCOTCH PINE (*Pinus sylvestris*). Ours are grown from hardy Finnish seed. A fast growing and very handsome pine, very cold resistant. 18 to 24 in., \$1.50.

N. D. BULL PINE (*Pinus scopulorum*). One of the handsomest, sturdiest and most lasting of all our native shade trees. Perfectly hardy, a native of our Bad Lands country where it climbs to the summits of the hills and buttes. 18 to 24 in., each, \$1.75.



Creeping Juniper



Colorado Spruce



Black Hills Spruce

EVERGREEN TRANSPLANTS AND SEEDLINGS

COLORADO SPRUCE. Fine healthy transplants of this hardy evergreen in 8 to 10 in. size. Price, postpaid: 50 for \$10.00; 100 for \$19.00. F.O.B. here, 100 for \$18.50.

BLACK HILLS SPRUCE. Postpaid, 4 to 8 in. transplants. 50 for \$8.00; 100 for \$15.00.

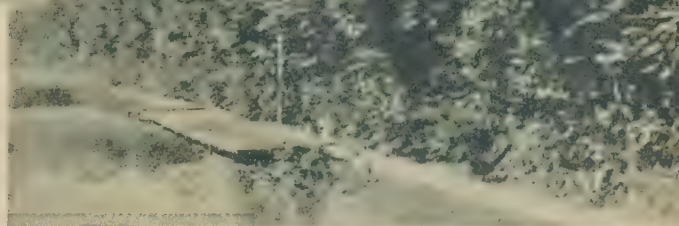
JUNIPERUS SCOPULORUM (Bad Lands Cedar). Transplants. Postpaid, 50 for \$11.00; 100, \$20.00; F.O.B. here, 100, \$19.00.

Since Evergreens must be shipped later than many other items, they will be sent separately unless otherwise instructed.



SHADE AND ORNAMENTAL TREES

CHINESE or SIBERIAN ELM. As a wood lot, shelter belt or grove tree and as a formal or natural hedge this tree has a very definite place in Northwestern planting. Drought resistant and rapid growing beyond almost any other sort. The occasional winter damage explains why we have steadily refused to recommend this tree as a street or lawn tree. In spite of the winter injury, which has occurred only once every 15 or 20 years, we still feel that this very fast growing and drouth resistant tree possesses great value in the Great Plains. Even if it has to be cut back to the ground it will recover in a year or so and produce more new growth than could be obtained in the same time by re-planting with any other tree. Price, 3 to 4 ft., each, 20c; 5 for 90c; 4 to 6 ft., each, 60c; 6 to 8 ft., each, 75c; 5 for \$3.50. For seedlings, see page 59.



Siberian Elm

AMERICAN ELM (Ulmus Americana). Our native white elm. Probably the most graceful and beautiful of our native trees. Excellent for farm planting in good soil as well as for lawn and boulevard. 3 to 4 ft., each, 50c; 4 to 6 ft., each, 80c; 6 to 8 ft., each, \$1.20. For seedlings, see page 59.



American Elm

HYBRID ELM. A cross between Siberian and American elms. Fast growing and hardy. 3 to 4 ft., each, \$1.00.

HACKBERRY (Celtis occidentalis). One of the hardiest and handsomest of our native trees. Free from insect pests, well-shaped, it makes an ideal street tree. Price, 6 to 8 ft., each, \$1.50; 5 for \$6.25.

GREEN ASH. Our native ash, drouth, cold, heat and alkali resistant. A fine timber tree. Ash fence posts rank at the top. Grows 1 to 3 ft. per year. For seedlings, see page 59. 4 to 6 ft., each, 50c; 10 for \$4.50.

MAPLE

BOX ELDER or MANITOBA MAPLE. Hardest of all the Maple family and our only native Maple. Prefers loam and heavier soils. A beautiful tree when properly trimmed and cared for. Seedlings on page 59. 3 to 4 ft., each, 40c; 5 for \$1.75; 6 to 8 ft., each, 70c; 5 for \$3.25.

GINNALA MAPLE. A handsome small tree with typical maple foliage, extremely hardy. Takes on gorgeous fall colors. 4 to 5 ft., each, 90c.



Hackberry

NORTH DAKOTA COTTONWOOD (Populus deltoides). The native cottonwood in spite of criticism and disparagement has definitely demonstrated in the past periods of extremely severe conditions that it is outstandingly the best shelter belt, windbreak and fuel producing tree for the Northwest. We have been headquarters for cottonwoods for sixty years. Prices: for seedlings, see page 59. 3 to 4 ft., each, 15c; 10 for \$1.25; 4 to 6 ft., each, 35c; 5 for \$1.50; 6 to 8 ft., each, 60c; 10 for \$5.50.

COTTONLESS COTTONWOOD. Grown from selected male trees which shed no cotton. Price, 3 to 4 ft., each, 50c; 10, \$4.75.

NORTHWEST POPLAR. A very handsome, hardy and quick growing poplar native to N. D. Said to be a cross between Balm of Gilead and Cottonwood. Price, 3 to 4 ft., each, 40c; 10, \$3.50.

POPLAR, SILVER-LEAVED. Smooth light bark, leaves dark green on top, silvery white beneath. Hardy and a rapid grower. Price, 3 to 4 ft., each, 60c; 5 for \$2.75.

POPLAR, BOLLEANA. One of the most beautiful of poplars, tall and upright like a Lombardy in habit. Very hardy. Silvery bark and silver lined, maple shaped leaves. Price, 3 to 4 ft., each, 75c; 5, \$3.50.



Cottonwood



Northwest Poplar



Silver-Leaved Poplar



American Linden

AMERICAN LINDEN or BASSWOOD. A beautiful shade tree native in parts of North Dakota. Valued also for its high honey yield in early spring. Price, 4 to 5 ft., each, \$1.65.

MOUNTAIN ASH (Sorbus Aucuparia). Beautiful in spring with its clusters of white blossoms and in fall with its heavy bunches of red berries. Hardy with a fair moisture supply. Price, 4 to 5 ft., each, \$1.40.

CUT LEAF WEEPING BIRCH. Perhaps our most beautiful lawn tree. Hard to establish but really hardy when once started. Needs plenty of water. Price, each, 5 to 6 ft., \$3.00.

NIOBE WEEPING WILLOW. Hardest of the type. Graceful, yellow bark, fast growing. 3 to 4 ft., each, \$1.25.

BRITZENSIS RED WILLOW. This is a very handsome and hardy ornamental willow. Cold and drouth resistant. 2 to 3 ft., each, 30c; 5, \$1.25.

WILLOW, GOLDEN. A hardy strain of this handsome windbreak and shelter-belt tree. Rapid grower, good quality wood. Price, 2 to 3 ft., doz. \$1.00; 50, \$3.50.

WHITE ENGLISH WILLOW. Very hardy. A beautiful tree and does well in good, moist soil. 2 to 3 ft., doz., \$1.00; 50, \$3.50.

WILLOW, LAUREL LEAVED. One of the hardy Russian Willows. Price, 2 to 3 ft., doz., \$1.50; 50, \$5.00. For Diamond Willows see page 59.



Niobe Weeping Willow

FLOWERING AND ORNAMENTAL SHRUBS



Siberian Flowering Almond

Besides the shrubs listed we include a section of hedge plants which are equally valuable for shrubbery plantings, and we would refer you also to such of the native fruits as sand cherry, native gooseberry, chokecherry and wild plum which work well in ornamental plantings. Prices given are F. O. B. here, customer pays transportation by express. Shrubs may be sent by mail for ten cents each added to prices. The lighter plants are used and are cutback before mailing.

ARTEMISIA or OLD MAN. A very hardy Russian shrub useful for a quick hedge. Grows 4 to 5 ft. in one season; feathery thick foliage. Should be cut back, each year. Price, 18 to 24 inch, each 45c; 10, \$4.00.

DWARF SIBERIAN FLOWERING ALMOND. Hardy, bears lovely pink blossoms profusely in May—height 18 to 36 inches. One of our best dwarf shrubs for severe conditions. Fall colors brilliant. Price, 18 to 24 in., each 50c; 10, \$4.75.

BUFFALO or BULLBERRY (Shepherdia argentea). A lovely silvery shrub bearing masses of brilliant red berries in late summer and fall. A handsome ornamental up to 12 ft. tall, a compact, handsome hedge plant, 18 to 24 in., each, 50c; 10, \$4.50.

CISTENA—A PURPLE LEAVED SAND CHERRY. Another handsome, bright purple leaved plant from Prof. Hansen's Laboratory. Very effective in a mixed shrubbery planting. Each, 2 to 3 ft., \$1.00.

CARAGANA PYGMEA. The very dwarf type with large yellow flowers in June. Seldom grows over 3 ft. high. Neat and regular habit. Our nearest shrub to the brooms and heaths. Price, 12 to 18 in., each, 50c; 10, \$4.50.

HIGH BUSH CRANBERRY (Viburnum americana). Native of North Dakota. Maximum height, 5 to 6 ft. First cousin to the snowball. Flat clusters of white flowers. In the fall covered with bright red berries and brilliant foliage. Price, 18 to 24 in., 60c; 10, \$5.60.

GOLDEN or BUFFALO CURRANT. This lovely shrub with its bright yellow, fragrant flowers blooms in May. A native of our N. D. Bad Lands, very hardy. Maximum height 4 to 6 ft., fine fall colors. Does well in shady spots. Large black fruits make excellent preserve. Price, 2 to 3 ft., each, 40c; 10, \$3.50.

MIXED TARTARIAN HONEYSUCKLE

May flowering, very hardy, and striking. Shrub 5 to 8 ft. high, good as a hedge also. Blooms in pink, white and red. Extremely fragrant. 18 to 24 in., each, 45c; 10, \$4.50.

RED HONEYSUCKLE. An all red selection. 18 to 24 in., each, 50c; 10, \$4.75; 2 to 3 ft., each, 60c.

HAWTHORN (Crataegus). Most effective and beautiful. A mass of white bloom in May and of bright red berries in August and September. Glossy leaves taking good fall colors. Max. height 8 to 10 ft. Its long thorns make it ideal for a hedge. Price, 2 to 3 ft., each, 75c; 5 for \$3.50.



Buffalo Berry



Honeysuckle



Prunus Triloba

MAY DAY TREE. 63

Earliest blooming of shrubs, it presents a cloud of graceful white sprays of cherry-like flowers to welcome the spring. Striking and beautiful. A Siberian species and very hardy. 2 to 3 ft., each, 70c.



May Day Tree

PHILADELPHUS, MINN. SNOW FLAKE. This beautiful, large, double-flowered syringa when planted in a protected spot is very satisfactory. One of the newest of the modern hybrids. Each, 18 to 24 in., \$1.00.

PRUNUS JAPONICA. A shrub to 5 ft. tall, broad and graceful, white to pink flowers in early spring, followed in August by tremendous numbers of bright red fruits. 18 to 24 in., each, 70c.

PRUNUS TRILOBA (Double flowering plum—Chinese Rose Tree). Perhaps the loveliest of May blooming shrubs. Double pink blossoms an inch across come before the leaves. Price, 3 to 4 ft., each, \$1.25.

RED DOGWOOD. As a shrub or hedge the white flowers, bright red bark, white berries and fall leaf colors are all beautiful. Grows 4 to 5 ft. high. Price, 18 to 24 in., each, 50c; 10, \$4.50.

GOLDEN ELDER. One of the most useful of the golden shrubs. 18-24 in., each, 60c.

RED BERRY ELDER. From Canada. Very Hardy. Handsome clusters of white bloom followed by masses of red berries. 12 to 18 in., each, 45c.



Fragrant Sumac

PRINSEPIA SINENSIS. A handsome, thorny shrub. Grows to five feet, very bushy, delicate yellowish bloom in May, followed by bright red, cherry-like fruit. Very thorny and adapted for hedges. 6-12 in., each, 25c; doz., \$2.50.

SILVERBERRY. Valuable for contrast because of its silvery color. Height, 3 to 5 ft. Small, very fragrant yellow blossoms in June. A native. Price, 12 to 24 in., each, 50c; 10, \$4.50.

SNOWBALL (Viburnum Opulus sterilis). The snowball with its gorgeous display of big, white flower clusters in May or early June is an old favorite. Price, 18 to 24 in., each, 75c.

Red Dogwood

SHEEP BERRY (Viburnum lentago). Flat clusters of small, white flowers followed by black berries. Lovely shining leaves of dark green which become a rich red in the fall. Maximum height 8 to 12 ft. Price, 4 to 5 ft., each, 60c; 10, \$5.50.

SMOOTH SUMAC. A hardy native. Notable for its very handsome foliage, its dark red fruit clusters which persist and its brilliant fall colors. Maximum height 5 ft. Price, 18 to 24 in., each, 60c; 10, \$5.50.

FRAGRANT SUMAC. A broad, dark leaved native with very fragrant leaves and many bright round red berries in the fall. Grows 4 to 6 ft. tall. Very hardy. 3 to 4 ft., each, \$1.00.

TAMARIX (Dr. Yeager's hardy Amur). 6 to 8 ft. max. height same breadth. Does not sap moisture from nearby plants. A feathery shrub with ever-green-like foliage bearing a dense mass of pink bloom in mid-summer. Price, 18 to 24 in., each, 75c.

SALT TREE or HALIMODENDRON. A shrub to 6 ft., bears a mass of lavender bloom in June. Foliage silvery. Each, 2 to 3 ft., 70c.



Prunus Japonica



Elderberry



Snowball

LILACS



Villosa Lilac

FRENCH HYBRIDS

CHARLES X. Color between lilac and violet, clusters of tremendous size. May blooming French hybrid. One of the favorites. Price, 18 to 24 in., each, 90c.



French Hybrid

EDITH CAVELL. This is recognized as the outstanding hybrid white lilac so far introduced. 18 to 24 in. Each, \$1.00.

POCAHONTAS. One of the new Canadian hybrids from Dr. Skinner. Large clusters of dark purple. 18 to 24 in. Each, \$1.00.

LUDWIG SPAETH. A handsome single dark red of the French hybrid type. Blooms in May. 18 to 24 in. Each, 90c.

PRES. GREVY. The best of the blues. A fine, large double. Blooms in May. 18 to 24 in. Each, 90c.

CONGO. An extra large flowered lilac in a striking wine red color. May blooming. 18 to 24 in. Each, \$1.00.



Purple Lilac

PURPLE LILAC. The old favorite, one of the hardiest. Each, 18 to 24 in., 45c; 10, \$4.25.

PERSIAN LILAC. Gradually replacing the older type because of its regular blooming habit and the fact that it spreads very little. Blooms a week or two later than the common. Color more purplish than the common. Price, 18 to 24 in., each, 50c; 10, \$4.75.

VILLOSA LILAC. A rugged variety globular in shape. 6 to 7 ft. high with handsome foliage. A late bloomer, pale lavender pink flowers late in June. Price, 18 to 24 in., each, 50c.

SPIREA

KOREAN SPIREA (*Spirea trichocarpa*). Blooms after Van Houtte with large flowers and heavier clusters. Hardest of the type, graceful. A real addition to your planting. 18 to 24 in., each, 60c; 5, \$2.75.

VAN HOUTTE or BRIDAL WREATH. This established favorite with its masses of white flowers in May needs no long description. 18 to 24 in., each, 50c; 10, \$4.75; 2 to 3 ft., each, 60c; 10, \$5.75.

SORBARIA. Foliage resembles Mt. Ash. Long feathery spikes of white bloom in July. Maximum height 4 to 6 ft. Blooms on new wood. Price, 18 to 24 in., each, 60c.



Korean Spirea

FROEBELLI. The best of the dwarf, late blooming spirea. Dark rose flower clusters in July and early August. Maximum height below 2 ft. Price, 12 to 18 in., each, 60c; 5, \$2.75.

OPULIFOLIA (Ninebark or Hardhack). One of the hardest of the spirea family. Maximum height 4 to 5 ft. Clusters of white flowers in June followed by showy red seed pods. Price, 18 to 24 in., each, 50c.

BILLARDI PINK. This is an August blooming species, 36 in. maximum height, flowers in long spikes of rosy pink. Price, 18 to 24 in., each 50c; 5, \$2.25.



Van Houtte Spirea

HARDY HEDGE PLANTS

SIBERIAN PEA (*Caragana arborescens*). Makes a beautiful hedge, either trimmed or untrimmed, a perfect snow trap in the shelter belt. Highly drouth and cold resistant. In June covered with yellow flowers. 12 to 18 in., each, 10c; 10, 40c; 100, \$3.50.

RUSSIAN OLIVE (*Eleagnus angustifolia*). A thick growing, beautiful silvery hedge plant which withstands cold, drouth and alkali. Valuable as well in shelter belts and windbreaks. 12 to 18 in., each, 10c; 100, \$5.00; 2 to 3 ft., 100, \$10.00.



Russian Olive



Siberian Elm Hedge

PYGMY CARAGANA. Ideal low hedge. Compact, easily trimmed. Seldom grows over 3 ft. high. 12 to 18 in., each, 50c; 10, \$4.50.

BUCKTHORN. A slow growing, very hardy and handsome hedge. Requires moisture and good soil. 12 to 18 in., each, 20c; 50, \$9.00.

SIBERIAN ELM. 18 to 24 in., 100, \$7.00.

BAD LANDS CEDAR (*Juniperus scopulorum*). The ideal evergreen hedge for the Northern plains. 50, \$11.00; 100, \$20.00.

COTONEASTER (*Acutifolia*). Perhaps the handsomest hardy, low growing hedge. Replaces well the privet grown farther south. 18 to 24 in., each, 50c; 10, \$4.50.

GOLDEN, LAUREL LEAVED & WHITE ENGLISH WILLOWS. These all three can be used very satisfactorily for hedges. See page 60 for prices.

SIBERIAN ALPINE CURRANT. Hardest strain of this perfect dwarf type hedge plant. Disease-free and easily kept as a low compact hedge. Each, 45c; 10, \$4.00.



Menispermum

ORNAMENTAL VINES



Pygmy Caragana Hedge

WILD GRAPE. One of the most handsome as well as useful vines. Each, 30c; doz., \$2.50.

WOODBINE or VIRGINIA CREEPER. The most popular porch vine in our list. Sometimes called 5-leaved ivy. Price, each, 35c; 10 for \$3.25. Postpaid, each, 40c.

ENGELMANN'S CREEPER. Resembles the woodbine, but has the added advantage of clinging tightly to brick, stone, concrete or stucco walls with no wires or other support. Price, each, 40c; 10 for \$3.50. Postpaid, each, 45c.

MENISPERMUM. A half woody climber whose handsome leaves resemble ivy. Does well in shade, prefers rich soil. Grows 10 ft. in a season and kills back part way. Price, each, 50c. Postpaid, each, 55c.

CHINESE MATRIMONY VINE. This is more of a trailing shrub than a climber. Useful on slopes, terraces and walls. Lavender flowers followed by bright red berries. Rapid grower. Price, each, 35c; 10, \$3.00. Postpaid, each, 40c; 10, \$3.75.

BITTERSWEET. A native of great hardiness. To assure berries several must be planted, as the plants are single sexed. Noted for the beautiful shape and color of the berries in fall. Price, each, 50c; 5 for \$2.25. Postpaid, each, 55c.

CLEMATIS, JACKMANII—LARGE FLOWERED PURPLE. One of the most beautiful plants that can be grown in the north. Needs some protection but is worth it. Price, each, \$1.00; 5 for \$4.00. Postpaid, each, \$1.10.

CLEMATIS, WHITE or VIRGIN'S BOWER. Starry, white flowers in July, feathery plumes in late summer and fall. Handsome, showy and very fast grower. Price, each, 45c; 10 for \$4.00. Postpaid, each, 50c.

YELLOW CLEMATIS. A handsome, hardy vine with a large yellow blossom shaped like Jackmanii. Each, 50c; 5 for \$2.25. Postpaid, each, 55c.

NATIVE HOP VINE. A fast growing ornamental perennial vine, growing 10 to 20 ft. in a season. Dies down to the ground over winter. Price, each, 40c; 5 for \$1.75.

Engelmann's Creeper



Woodbine or Virginia Creeper



HARDY ROSES PERPETUAL BLOOMERS

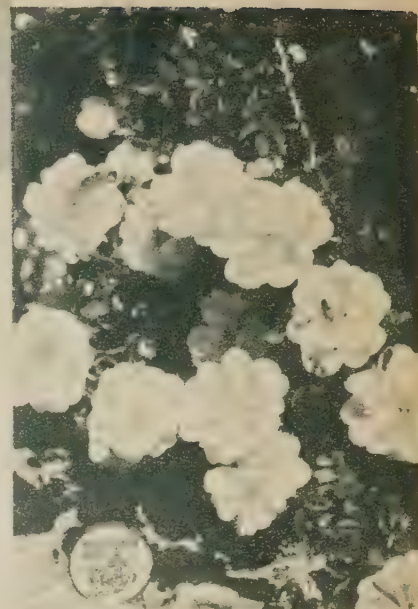


Hansa

The only really hardy bloomers of the Perpetual or repeating type are the Rugosa Hybrids.

SIR THOMAS LIPTON. Best of the white Rugosa Hybrids. Two to 3 ft. tall, covered with a multitude of large, very double blooms most of the summer. Each, \$1.00; 5 for \$4.75.

HANSA. Hardest of the class. Sturdy bushes; very dark red, double flowers continuously borne through the summer. A fine landscape rose. Each, 90c; 5 for \$4.25.



Sir Thomas Lipton

SARAH VAN FLEET produces large, very double flowers of an unusual pale pink shade. A strong bush with handsome foliage, 2 to 3 ft. tall. Each, \$1.20.

AMELIA GRAVEREAUX. A smaller and more delicate plant. Flowers most double of the rugosa hybrids, bright red in color. Best of the class for cutting. Each, \$1.30.

GROOTENDORST, the Carnation Rose, is a continuous bloomer and represents a new type, a cross between rugosa and baby rambler. Red flowers are borne in clusters and resemble carnations in appearance. Each, \$1.25; 5 for \$6.00.



Amelia Gravereaux

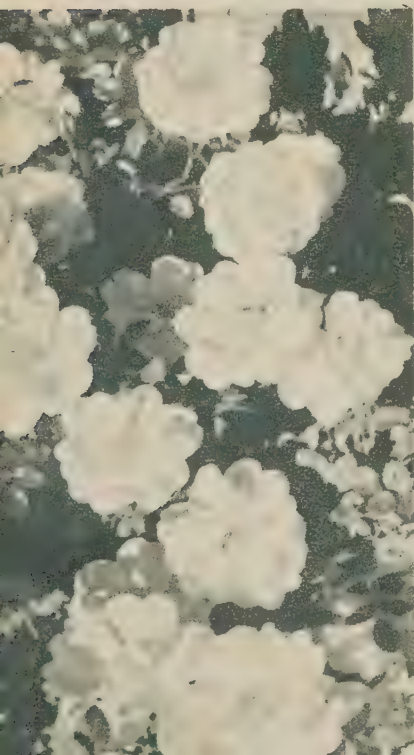
BELLE POITEVINE is a sturdy, strong growing pink rugosa hybrid, bearing large bright pink, very double flowers. Each, \$1.00.

GRUSS AN TEPLITZ. An extra hardy hybrid dark red perpetual rose that has been sold under the names of Prairie Queen, Prairie King, etc. It requires a little winter protection, but can be cut back in the spring and blooms on new wood. Price, each, \$1.25.



Harrison's Yellow

Betty Bland



JUNE BLOOMING

June blooming roses are the hardiest of all and require no protection at all so far as the hardy varieties which we list are concerned.

BETTY BLAND. A lovely Manitoba rose, 5 ft. tall, flowers a glowing rose pink. Stems red and adds to wintry landscape colors. Each, \$1.30.

HARRISON'S YELLOW is perhaps the best known and most common June bloomer. 5 to 6 ft. tall, it is a perfect mass of bright yellow, double roses, 1 to 2 inches across, for several weeks in mid-June. Each, \$1.20.

AGNES. The only yellow rugosa hybrid. Full double flowers of a lemon yellow color. 3 to 4 ft. tall, hardy, handsome. Each, \$1.25.

ROSA ALTAICA. A bush rose, 4 to 5 ft. tall bearing large single, cream white roses with yellow centers in incredible numbers. The blooms last for several weeks and are followed by dark purple, ornamental fruits. Price, each, \$1.10.

DAKOTA PRAIRIE ROSE (rosa pratincola) is North Dakota's state flower. A bush 1 to 2 ft. high bearing in profusion large single roses in color from very pale to rose pink. Bright with large scarlet roseberries later in the season. Each, 50c; 5 for \$2.20.

FLOWERING PERENNIALS

Really Hardy Fall Flowering Chrysanthemums

These extra hardy mums in a varied riot of colors have been secured by us from the Bureau of Plant Industry, U. S. D. A., from the Minn. Expr. Sta. and from Canada. As a foundation planting or border they bloom well into October after all other flowers are gone. Price, each, 40c; doz., \$4.00; postpaid, each, 45c; doz., \$4.50.

PINK CUSHION. A low, compact light pink from Canada. Outstanding among all these varieties for its perfect hemisphere of lovely pink blossoms in mid September.

MANANTICO. Dark rose pink, early.

TETON. Early single white.

OGLALLA. A tall, dark red, mid-season.

ABSAROKA. Mid-season, large bronze yellow.

RED WING. Dwarf, handsome red, early.

MOONGLOW. Creamy yellow, early, dwarf.

WINOOSKI. Latest of all. Very profuse double white.

WELCOME. One of the hardiest of Minnesota selections. Bright rose.

The following are recent new Wyoming introductions

FLICKA (S-37). Compact plants, rosy bronze color, adapted to higher altitudes and short seasons.

DAKOTA (S-27). Cushion type, double bronze flowers. Extra hardy.

ARIKARA (S-5). Early, red bronze, semi-double, heavy bloomer.

WYO. WHITE (S-28). Compact plant, double, white with yellow center. Very early.

WAKU (S-24). Double, pure white, large flowers on long stems, frost resistant.

PERENNIAL ASTERS

Fall Blooming

MRS. FANNY HEATH.

A late bloomer of the New England species and the most beautiful rose colored aster we have ever seen. Height 4 to 5 ft., flowers very numerous and large. Each, 50c; doz., \$5.00; postpaid, each, 55c; doz., \$5.50.

Prices of varieties listed below, each, 40c; doz., \$4.00; postpaid, each, 45c; doz., \$4.50.

DAKOTA PINK. A very hardy upland native with unusually large flowers. 1 to 2 ft., blooms in September.

DAKOTA BLUE. Same as the pink but with a clear blue color.

SHADY PLACE. A native which grows 3 ft. tall, thrives in shady spots and bears numerous brilliant blue flowers.

MICHAELMAS DAISY. This is a cross between our native Shady Place and an English Aster. Tall, almost lavender, late blooming.

GOLDEN (chrysopsis). Bright masses of gold in August and September contrast in mixed plantings with the blues and pinks.

GARLAND. Blooms late August. Flowers in festoons of white on slender stems.

PERENNIAL PHLOX

Price, 40c; doz., \$4.00; postpaid, each, 45c; doz., \$4.50.

ADA BLACK JACK. A Manitoba origination with the Pyramid. These are the hardiest of all perennial phlox and safe anywhere in the Northern Plain. A bright rose pink.

PYRAMID. A pure white phlox whose blooms come in tall solid cones of flowers.

DELPHINIUM

Prices, unless otherwise quoted: Each, 35c; doz., \$3.50; postpaid, each, 40c; doz., \$4.00.

NEW ZEALAND BLUE. This lovely, dark blue delphinium came to us from a New Zealand gardener. It seldom exceeds 2 ft. in height, is bushy and literally covered with fine dark blue blossoms in the regular chinensis type of spikes.

NEW ZEALAND WHITE. The same dwarf type in pure white.

BELLADONNA. 4 to 5 ft. Long spikes, pale blue flowers.

BELLAMOSA. The dark blue, slender type, 24 to 48 in.

HYBRID. Extra large, double, long spiked plants in various shades and tones. Each, 50c; postpaid, 55c.



Hardy Mums



Black Jack Phlox

Bellamosa



Mrs. Heath Aster

Belladonna

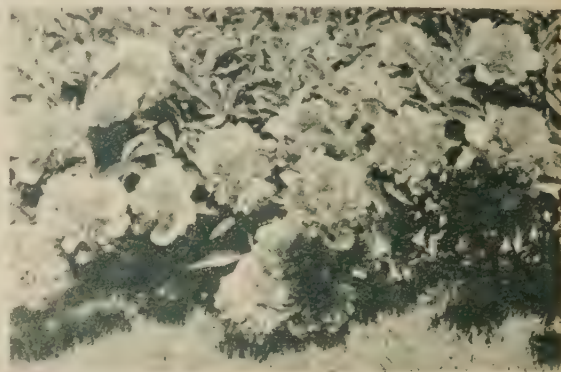


THE PEONY Queen of All Flowering Perennials

FINE MIXED PEONY ROOTS
A mixture of good named varieties. Postpaid, each 50c; 12 for \$5.00.

REDS

FELIX CROUSSE. Blooms late mid-season; a bright rich ruby red—a heavy bloomer and excellent for cutting. Each, \$1.00; 5 for \$4.75; postpaid, each, \$1.10; 5 for \$5.00.



Felix Crousse

WHITES

KARL ROSENFELD. Early mid-season, dark red, rose type. Each, \$1.00; 5 for \$4.75; postpaid, each, \$1.10; 5 for \$5.00.

MONS. MARTIN CAHUZAC. Darkest in color of all peonies. A ring of golden stamens at the center. Early. Each, \$3.00; postpaid, \$3.20.

PHILIPPE RIVOIRE. Most perfect of all red peonies. Late. Dark red, and very large. Each, \$2.50; postpaid, \$2.60.

MARY BRAND. Called one of the dozen best reds. Mid-season, rose type, heavy bloomer, dark. Each, \$1.25; postpaid, \$1.35.

COURONNE D'OR. A late bloomer. Bears very heavily; a beautiful white with a circle of golden stamens, and the latest peony to bloom—a perfect finish to the peony season. Each, 90c; 5 for \$4.00; postpaid, each, \$1.00; 5 for \$4.75.

FESTIVA MAXIMA. White. One of the largest of all peonies. Usually carries a crimson fleck at the center. Early rose type. Each, \$1.00; 5 for \$4.50; postpaid, each, \$1.10; 5 for \$5.00.

AVALANCHE. An early, very solid, rose type bloom. Heavy blooming, very showy, fine for cutting. Each, \$1.10; 5 for \$5.00; postpaid, each, \$1.20; 5 for \$5.50.

PINKS

MADAME DUCIL. Bright silvery pink with a salmon shading. Bomb type. Strong grower of dwarf habit. Free bloomer. Each, \$1.00; postpaid, each, \$1.10.

MONS. JULES ELIE. Light rose pink. Early rose type. Largest flowers of all pink peonies, and very popular. Each, \$1.15; 5 for \$5.50; postpaid, each, \$1.20; 5 for \$5.75.

SARAH BERNHARDT. A large mid-season beauty, apple blossom pink. Each, \$1.20; 5 for \$5.75.; postpaid, each, \$1.30; 5 for \$6.00.

IRIS for the Great Plains

FINEST MIXED IRIS—Contains many outstanding varieties. The best mixture we have ever offered. Do not miss this bargain. Postpaid, each, 25c; dozen, \$2.50.

We are still basing our selected Iris list on the recommendations of our good Iris specialist friend, the late Rev. E. L. Jackson. According to his observations, this list is outstanding for hardiness, and also carefully selected for variety and beauty.

TALL BEARDED IRIS—Price, each, 40c; dozen, \$4.75; postpaid, each, 50c; dozen, \$5.00, except as quoted.

ALINE—A fine deep blue of great beauty.

AMBERA—An early iris. Pale yellow color. Height 30 inches.

NARANJA—A new orange color effect. Striking in color and form. Very hardy.

PINK OPAL—A tall, large flowered Iris of lilac tone. Hardy and a good bloomer.

OCTOBER OPERA—A lovely dark brownish red in two shades. Mid-season bloomer.

RAMESES—One of the very finest of all golden buff and pink, with a large growth and many blooms.

SCHNEECUPPE—A tall, very large creamy white. Late.

WAR EAGLE. A rich deep toned red. Medium size. Very hardy.

WABASH—Very large white and purple flower on tall, strong stems. Postpaid, each, \$1.00.

One each of the fine Iris listed above for \$8.50, postpaid.

INTERMEDIATE IRIS

Prices unless otherwise quoted: Each, 40c; dozen, \$4.50; postpaid, each, 45c; dozen, \$4.75.

These bloom about half way between the early dwarf and tall bearded sorts. Most autumn flowering varieties belong to this class.

ZWANENBURG—Crimson and maroon, a very heavy producer and very early.

YLO—A lovely, free blooming bright yellow variety to make up our color selection.

AUTUMN KING—With us only occasionally blooms in the Fall, although we understand that in some localities it regularly blooms twice. It is a fine purple in color.

WHITE AUTUMN KING—A beautiful white intermediate that usually blooms well in the fall.

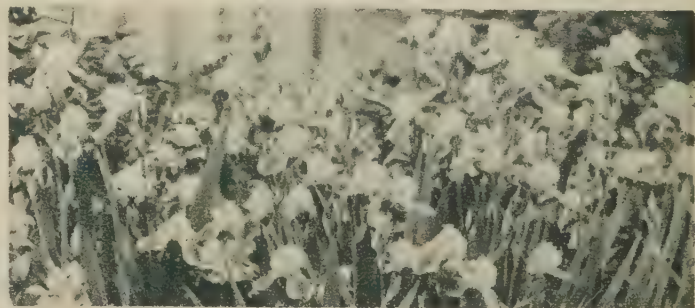
ELEANOR ROOSEVELT—The best fall bloomer of recent years. Deep blue in color and of high quality.

DWARF EARLY IRIS

DARK BLUE PUMILA—A very handsome early dwarf Iris, 6 to 8 inches tall. Blooms in early May. Very hardy. Postpaid, each, 25c; dozen, \$2.50.

FAIRY—Another lovely extra early Iris, very hardy, a profuse bloomer, a fine pale blue in color. Postpaid, each, 25c; dozen, \$2.50.

FLORIDA—A handsome yellow. Postpaid, each, 35c; dozen, \$3.70.



Fairy Iris



Kansas Ingleside

LILIES

Prices, unless otherwise quoted: each, 40c; doz., \$4.00; postpaid, each, 45c; doz., \$4.50.

SINGLE TIGER LILY. Hardest and most popular of all lilies. A heavy bloomer. **DOUBLE TIGER LILY.** Blooms several weeks later.

BLACKBERRY LILY. A small lily with mottled red flowers, 2 to 3 feet tall, foliage resembles iris. Blooms through July.

UMBELLATUM OR NATIVE CANDLESTICK LILY. Grows 2 feet high, bears clusters of orange red flowers resembling the Elegans.

CORAL OR TENUIFOLIUM. Blooms in May and June. Spikes 18 in. to 2 feet tall, bear numerous bright red flowers, facing down and with reflexed petals. Native of Siberia.

GOLDEN GLEAM. Derived from the Coral Lily which it resembles in every way except for its attractive orange color. **LILY OF THE VALLEY.** The outstanding early flower for shady spots.

DAURICUM OR CANDLESTICK LILY. Grows 2 feet high, bears clusters of orange red flowers, resembling the Elegans, but the plant is a trifle taller and later. The flowers larger.

SAND LILY. A very early blooming small lily. The short stem comes right out of the ground in April.

SKINNER LILIES (From Manitoba)

MAXWILL. One of Mr. Skinner's finest, for which he was recognized by the Royal Horticultural Society of London. Flowers nodding, like the Coral Lily on a very large scale; stalk 6 to 7 feet tall, covered with many of the large bells. Blooms in July. Postpaid, each, 50c.

SKINNER'S AZALEA LILY. One of his newest and finest. 26 to 30 in. high with massive clusters of apricot colored blossoms carried erect, 18 to 24 to the stalk. Postpaid, each, 60c.

PHILADELPHICUM HYBRID NO. 12. One of F. L. Skinner's Flame Lily crosses from Canada. Very hardy; blooms in late June and July. A striking orange colored, July blooming lily. 18 to 24 in. tall. Special price, each, 35c; doz., \$3.50; postpaid, each, 40c; doz., \$4.00.

SCOTTIAE. 2 to 3 ft. tall. Bright orange flowers facing outward. Blooms in July. Each, 65c; postpaid, 75c.

DAY LILIES or HEMEROCALLIS

A mixture of extra hardy varieties in yellow and orange, all tested in North Dakota. Postpaid, each, 40c; dozen, \$4.50.

OPHIR. Tall and heavy blooms. Postpaid, each, 45c; dozen, \$5.00.

HYPERION. A little later. Very handsome. Postpaid, each, 45c; dozen, \$5.00.

Other Flowering Perennials

Prices, unless otherwise quoted: Each, 40c; dozen, \$4.50; postpaid, each, 45c; dozen, \$5.00.

ACHILLEA, The Pearl. White, aster-like blooms. June-Sept. 18-in.

BABY'S BREATH. Standard. Feathery white, 18-24 in. Blooms all season.

Bristol Fairy. Large double. Grafted roots. Each, 75c; postpaid, each, 82c.

BLEEDING HEART. Blooms in May. Each, 75c; postpaid, each, 82c.

BOUNCING BET (Saponaria). Pinkish white, 12-18 in., blooms all season. Resembles Phlox.

CAMPANULA, Rapunculoides. Blue Bell. 30 in. Blooms June and July.

COLUMBINE, Hybrid. Mrs. Scott Elliott hybrids in a variety of shades.

Liberty Bell. A cream colored native of Montana.

DAISY, Shasta. Blooms from June till fall. 12 to 18 in.

Painted Daisy. Blooms long and often. Various color shades.

Giant Daisy. Late fall blooming. 4 ft. tall.

ERYNGIUM, Sea Holly. 18 to 36 in. At blooming time the whole plant is blue.

GAILLARDIA, BURGUNDY. A handsome dark red strain.

GAILLARDIA, Blanket Flower. 12 to 18 inch. Blooms all season.

GOLDENGLOW. Double.

HOLLYHOCK. We have a lovely selection of colors. Single and Double.

LYCHNIS, Chalcedonica. Perennial with the brightest of scarlet blossom clusters.

Pink. Similar but of a light pink color.

LINARIA. Old fashioned "butter and eggs."

LYTHRUM (Morden Pink). See inside back cover for illustration. An all season lovely pink spike in bloom nearly all summer. 3 ft.

PHYSOSTEGIA. Tall stems topped by white snapdragon-like flowers blooming in August.

PLATYCODON, Chinese Bellflower. Blooms July and August. Ht. 18 to 30 in. Blue or white.

ICELAND POPPY. This hardy early spring and summer bloomer comes in whites, yellows and orange.

POPPY MALLOW. A low-growing plant of the ground cover type. Blooms most of the season. Flowers a handsome purple, large and poppy-like.

SEDUM, Acre. Very small leaved, low growing, yellow flowers.

Stolonifera. Pink flowers. Ground cover.

Kamschaticum. Yellow flowers.

SIBERIAN SWEET PEA. A rose purple flowered dwarf perennial that blooms over a long period.

SIBERIAN LAVATERA. 3 to 5 ft. A pink flowering hardy and long blooming perennial with a 3 foot spread.

SWEET WILLIAM. An old favorite. Related to the pinks.

TANSY, Plover Head. Clear yellow flowers in clusters from July on. 2 to 4 ft. A medicinal herb.

VERONICA SPICATA. Long, graceful spikes of clear blue in July.

CRIMSON YARROW. Milfoil, in a dark red color. Hardy, showy. Blooms July and August.



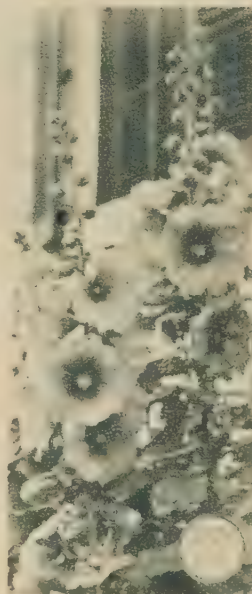
Tiger Lily



Maxwell Lily



Philadelphicum No. 12



Hollyhock



Giant Daisy



Sedum Kamschaticum

NATIVE PERENNIALS of the PLAINS & MOUNTAINS

Prices unless otherwise quoted: Each, 35c;
doz., \$3.50; postpaid, each, 40c; doz., \$4.00.

All perennials and bulbs are subject to sales tax for North Dakota customers.

MARIPOSA LILY. A native of the Dakota Bad Lands and the Rockies. Sometimes called Butterfly Lily or American Tulip. Blooms in early June. Lovely tulip-like white blooms with colored centers on waving stems 10 inches high.

FLAME OR WILD LILY. A form of our native Flame Lily, from Canada, very hardy; blooms in late June and July, when they streak the low prairies with red splashes.

SAND LILY. A very early white lily from the plains. Springs directly from the ground without foliage.

ANEMONE (Canadensis). Large waxy flowers in late June. Bright green foliage.

ANTENNARIA (Pussy's Toes). A fine ground cover.

BLAZING STAR (Iatris). Tall, 18 to 30 inches. Blooms in July. Long spikes, button-like blossoms, opens from bottom to top. A fine cut flower, in white and purple. Dwarf, 12 to 18 in. tall. Purple spikes in July.

CERASTIUM—from Alaska. A ground cover plant with myriads of white blossoms.

ERIGERON (flagellaris). A thick green ground cover, set throughout the summer with pretty daisy-like blooms. Like a carpet.

FLOWERING ONION—(Yellow). Graceful and pretty members of the lily family blooming in June and July. (Pink). Also called nodding onion.

FLAX, Native Blue. Graceful masses of heavenly blue flowers, renewed every morning for weeks. June to September. 18 in. tall. (Also in white.)

GOLDEN ROD (Solidago). We have a tall July blooming variety 18 to 24 in., an August blooming 12 to 18 in. species, both of the graceful, slender type.

GUMBO LILY—Cowboy Lily (White evening primrose). One of the most beautiful of the Bad Lands flowers, 4 to 6 in. high with huge white blossoms which turn pink as they age. Blooms from May through the season.

MISSOURI PRIMROSE. An evening primrose with many golden blossoms, 3 inches across.

BUTTERFLYWEED (Narrow leaved Milkweed). 2 ft. high, clusters of white flowers. Very fragrant.

MEADOWRUE. A tall, shade loving perennial with feathery flowers in June.

MERTENSIA (Lanceolata)—**PRAIRIE BLUEBELL.** 6 to 10 in. tall. Blooms in May and early June with a cluster of bright blue bells.

RED MALLOW (malvastrum). Known to prairie children as "wild geranium," 4 to 6 in. tall. Blooms from May to July with many scarlet flowers.

PRAIRIE PHLOX (douglasii). The creeping, hardy ground cover which becomes a mass of fragrant white stars in May.

PASQUE FLOWER—**PRAIRIE CROCUS (Pulsatilla patens).** The first prairie flower of spring.

SPIDERWORT (Tradescantia) Red. 8 to 18 inches. Striking red purple flowers in June and July coming out fresh each morning. Grass-like foliage.

Blue. Taller and earlier blooming.

White. An unusual and very beautiful plant.

STANLEYA (Pinnata). A very striking native from the Bad Lands. 2 to 3 ft. tall and covered with long, feathery yellow spikes in June and July.

SUNFLOWER. The tall perennial sunflower of the valleys and meadows. Resembles Golden Glow.

THERMOPSIS. The common Yellow Sweet Pea of our western prairies. 6 to 12 in. Blooms in May.

YUCCA (Glaucia)—**SPANISH BAYONET.** Hardest of the sword plant family. Long silvery blades with a tall spike of large greenish white bells in July. Fine to group with cactus. Postpaid, each, 50c.

WHITE VIOLET. Our best low perennial for shady spots. Blue. The lovely meadow violet.

Birds-foot. A pale blue, large flowered violet for sunny spots.

VERONICA SPICATA. Graceful stems 2 ft. tall, bearing lovely clear blue flower spikes in July.

PENTSTEMON

GRANDIFLORUS. 18 to 24 in. tall. Blooms in late June. A tall spike of lavender bells an inch across and of tremendous attractiveness.

ANGUSTIFOLIUS. 12 to 18 in. tall, bright blue spikes with flowers crowded on them. Blooms in June.

GLABER. 12 to 20 in. tall. Smooth, glossy leaves, bright blue.

CRISTATUS. 12 in. tall, bushy, a dry soil plant. Many large lavender blossoms.

MISSOULIENSIS. 6 to 12 in. A dwarf variety from the mountains. Spikes of the most intense dark blue.

DAKOTA CACTI

Postpaid, each, 40c; dozen, \$4.00

OPUNTIA POLYCANTHA. With the lovely lemon to orange clusters of flowers in July. The common prickly pear.

OPUNTIA HUMIFUSA. Like the above but with heavier joints and longer white spines. Yellowish green flowers, red fruits.

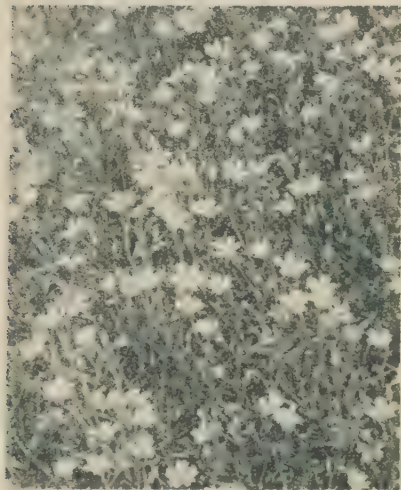
OPUNTIA FRAGILIS. With slender joints and more delicate spines. Pale yellow flowers.

MAMILLARIA VIVIPARA. The pin-cushion cactus with the rose colored flowers.

MAMILLARIA MISSOURIENSIS. A pin-cushion type with greenish-white flowers.

ECHINOCEREUS VIRIDIFLORUS. The only northern representative of the cylindrical cactus. 3 to 7 in. tall. Flowers greenish in color.

Tall Blazing Star



Cerastium



Flame Lily



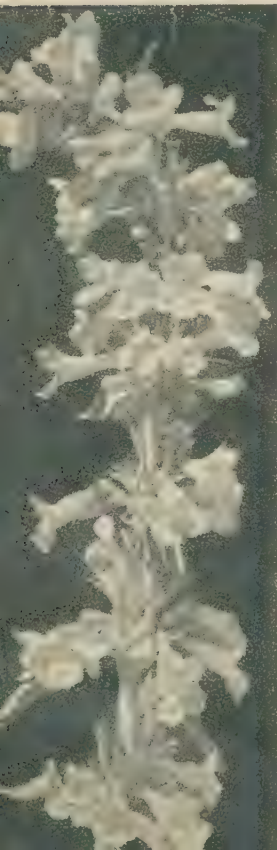
Blue Flax



Missouri Primrose



Gumbo Lily



Pentstemon
Missouriensis



Maximilian Sunflower

RED and BLACK RASPBERRIES

DURHAM EVERBEARING. This is a recent development of Professor Yeager's in his work at the N. H. Agricultural College. We have had it for two years and it ranks in hardiness with the other sorts which we list. Bears an early crop on last year's wood and another crop on the new wood. Each, 50c; doz., \$5.00; postpaid, each, 55c; doz., \$5.50.

RUDDY. Dr. Yeager's hardy and heaviest bearing of all raspberries. A cross between black and red varieties. Color a handsome purple. Vigorous foliage, large and uniform fruits. Each, 20c; doz., \$2.00; postpaid, each, 25c; doz., \$2.25.

CHIEF. Hardest of the Minn. Fruit Breeding Farm varieties. A fine colored red raspberry with large and uniform fruit. Very heavy yielding, strong and healthy. Doz., \$1.50; 50, \$6.00; postpaid, doz., \$1.75; 50, \$6.50.

LATHAM. An outstanding commercial berry from the Minn. Fruit Breeding Farm. Does well under more favorable conditions. Doz., \$1.50; 50, \$6.00; postpaid, doz., \$1.75.

SUNBEAM RASPBERRY. We have at last worked up a stock of this old and very hardy favorite from the plant laboratory of Prof. N. E. Hansen. Price: Each, 30c; doz., \$3.00; postpaid, each, 35c; doz., \$3.25.

MRS. HEATH BLACK RASPBERRY. A native collected by Mrs. Heath and perfectly hardy. A very prolific bearer and of excellent quality. Price: Each, 30c; doz., \$3.00; postpaid, each, 35c; doz., \$3.25.

SASKATOON — JUNE BERRY — SARVICE BERRY — WESTERN JUNE BERRY. These are all names for the same delicious native fruit. One of our finest wild fruits which improves greatly under cultivation. Useful also as an ornamental shrub. Each, 18 to 24 in., 50c; 10, \$4.50.

NOTE: Currants and Gooseberries of all kinds will be shipped only into the states of North Dakota, South Dakota, Nebraska, Kansas, Wyoming and those parts of Montana and Minnesota not barred by Federal Quarantine. Orders from other states cannot be filled.

CURRENTS

RED LAKE. Usually considered to be best of all red currants. Perfectly hardy. Prolific and of highest quality. Each, 35c; doz., \$3.50; postpaid, each, 45c; doz., \$4.00.

WHITE GRAPE. A clear, translucent white currant—sweetest of all the currant varieties. Fruit is large as are the clusters. A steady annual bearer. Hardy. Each, 50c; doz., \$5.50; postpaid, each, 60c; doz., \$6.00.

NATIVE BLACK. Transplanted, nursery grown stock of this hardy native. Black fruits in clusters. Excellent for jam and jelly. Also an ornamental of some value. Price: 18 to 24 in., each, 35c; doz., \$3.50; postpaid, each, 45c; doz., \$4.10.

GOLDEN CURRANT. A handsome native yellow flowered ornamental. Equally valuable for its large fruit which makes excellent jam and jelly. Price: 2 to 3 ft., each, 40c; 10, \$3.50; postpaid, each, 45c.

GOOSEBERRIES

PIXWELL. One of Professor Yeager's wonderful productions. A cross between a native wild selection and a high quality cultivated sort. The berries are very large. The plants rapid growing and vigorous. A heavy bearer. Fruit on long stems and bushes sparse in thorns, hence they are very easy to pick. Price: Each, 75c; doz., \$8.00; postpaid, each, 80c; doz., \$8.50.

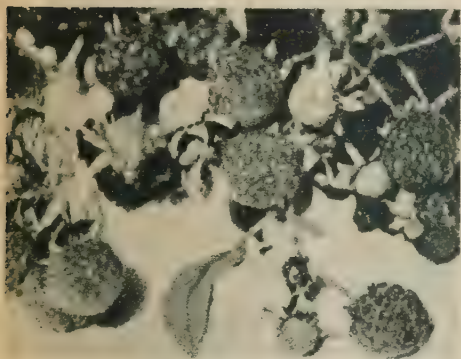
NATIVE WILD. Useful especially as an ornamental, but valuable also for the considerable quantity of fruit produced. It is the first plant to leaf out in the spring when its new vivid green leaves herald the season. Turns bronze red in fall. Each, 45c; doz., \$4.50; postpaid, each, 50c; doz., \$5.00.



Durham



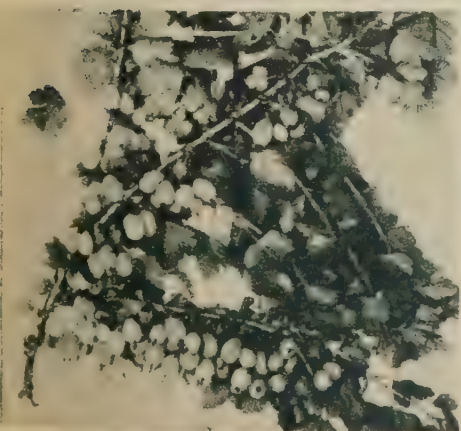
Chief



Ruddy



Red Lake Currant



Pixwell



Mrs. Heath

STRAWBERRIES

We are pricing strawberry plants only at post-paid prices. All orders for them will be shipped separately as we cannot usually start shipping them till nearly May first, and the plants are likely to be damaged if packed in with other goods.

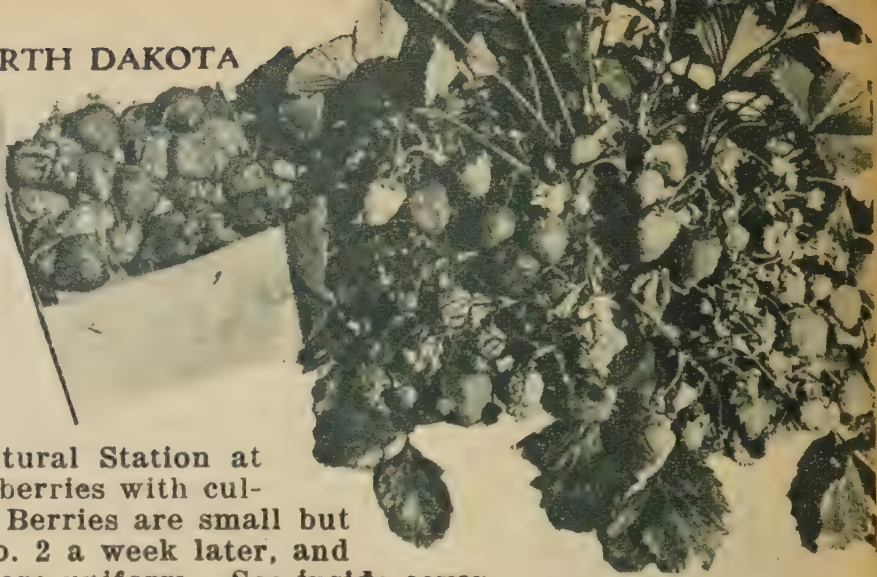
CHEYENNE. Hardest and sweetest. June

Bearing. Originated at the Federal Horticultural Station at Cheyenne, Wyo., by crossing native wild strawberries with cultivated varieties. Needs no winter covering. Berries are small but huge crops are produced. No. 1 is earliest, No. 2 a week later, and No. 3 still later. We like No. 2 best as it is more uniform. See inside cover for picture. Price, 25, \$1.50; 50, \$2.75; 100, \$5.00.

MONTANA PROGRESSIVE. A new and improved strain of this hardy ever-bearing sort. Resistant to yellows and leaf spot. Fruit of high quality and plants very prolific. Originated at the State Experiment Station, Bozeman, Montana. Combines the good quality of the old Progressive with several improvements. Price: 25, \$1.25; 50, \$2.10; 100, \$4.00.

Gem. This everbearing variety has been growing in favor on account of its hardiness, quality and heavy bearing so that we have decided to list it. We have not tried it for any long period as yet. Prices same as for Progressive.

DUNLAP. We have found the Dunlap to be the best all-around June-bearing variety for our climate. The fruit is borne bounteously, and the berries are regular in shape and delicious in quality. They are large, bright red, and good keepers. Excellent for canning. Price: 25, 90c; 50, \$1.50; 100, \$2.75; 1,000, \$25.00.



Montana Progressive



Native Wild Grape

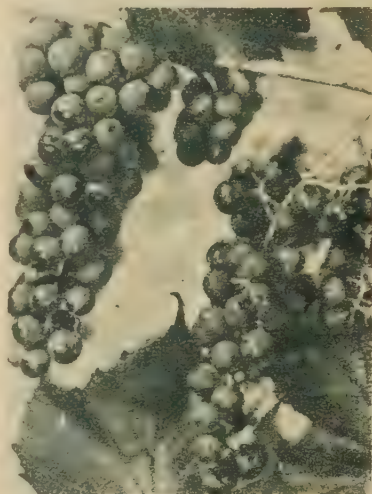
GRAPES

NATIVE WILD (Vitis riparia). To insure fruit several should be planted as each plant is of a single sex. A fast grower, valuable as an ornamental climber, noted for the wonderful fragrance of its blossoms in June, and for the value of the fruit for jams, jellies and grape juice. 2 yr. plants. Each, 30c; doz., \$2.50, postpaid, each, 35c; doz., \$3.00.

BLUEBELL. One of the newer Minnesota varieties. It has been perfectly hardy with us for five years. Has an outstandingly fine flavor. Each, 60c; 5 for \$2.75; each, postpaid, 70c.

BETA. One of several hybrids between Concord and the wild grape, produced in Minnesota a number of years ago. The hardest tame grapes so far introduced—the fruit is blue-black, of medium size, with a pleasant, aromatic flavor. Should be planted only in sheltered spots where they bear well. Fruit ripens the last of August. Price: Strong plants, each, 35c; doz., \$3.50; postpaid, each, 40c; doz., \$4.00.

ALPHA. A sister of the Beta which it very closely resembles. Possibly a little better adapted to the heavy black soils. Fruit is perhaps a little sweeter. Size a trifle smaller than the Concord. Each, 35c; doz., \$3.50; postpaid, each, 40c; doz., \$4.00.



Beta Grape

EDIBLE AND USEFUL PERENNIALS

MCDONALD RHUBARB. Very large and prolific, practically without seed stalks, makes pink sauce, fine flavored. Each, 35c; doz., \$3.50; postpaid, each, 45c; doz., \$4.50.

CHIPMAN'S CANADA RED RHUBARB. One of the best of the good Canadian varieties. One of the productions of the famous Canadian plant breeder, G. F. Chipman. Stems dark red clear to the heart. As sturdy and prolific as McDonald, almost seedless. Produces the sweetest, finest flavored and most beautiful red sauce for dessert or in pies and shortcakes. Each, 90c; 5 for \$4.25; each, \$1.00, postpaid; 5 for \$4.50.

VALENTINE. Outstandingly the best rhubarb we have ever seen. A Canadian sort that rated highest in Canadian tests. Best flavor, fewest seed stalks and largest of the red sauce producers. Each, \$2.00, or Postpaid, \$2.15.

McDonald Rhubarb

SUNRISE. One of the two very best new Canadian sorts. Darker red than Valentine and not quite as large. Each, \$2.25; postpaid, \$2.30.

MINT. Spearmint, the mint of mint juleps. Easily grown in every garden. Postpaid, each, 25c; doz., \$2.50.

BOHEMIAN HORSERADISH. The best cultivated variety. Doz., 40c; postpaid, doz., 45c.

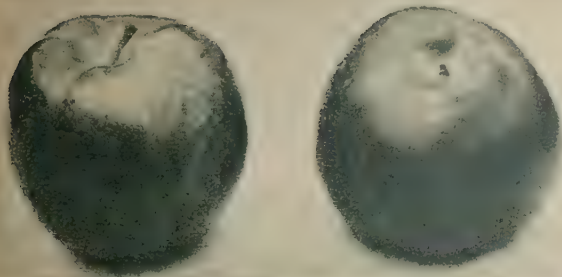
ASPARAGUS—MARY WASHINGTON. F. O. B. here, doz., 50c; 50, \$1.75; 100, \$3.25; postpaid, doz., 55c; 50, \$1.85; 100, \$3.50.

CHIVES (Schnittlauch). Grass onion. An ornamental with balls of blue blossoms—follage very useful for flavoring. Each, 30c; doz., \$3.00; postpaid, each, 33c; doz., \$3.25.



HARDY APPLE TREES

All authorities on Great Plains Horticulture recommend planting only young stock such as we offer because it establishes itself much more quickly and easily and there is likely to be less loss. Remember that our apples are grafted and budded on the hardiest apple roots in the world.

**Haralson****Mantet**

HARALSON. A real winter apple, hardy enough for the Northwest. A Minn. Fruit Breeding Farm production. A strong grower, resistant to fire blight, bears early and yet the fruit keeps in good condition till spring. Apples are large and deep red, flavor excellent. Has proven very hardy. 3 to 4 ft., each \$1.00; 5 for \$4.50.

MANTET. This is an introduction from the Dominion Horticultural Station at Morden, Manitoba, and a result of some of their extensive fruit breeding work. Mantet is to all intents an early, hardy McIntosh with the same deep red color. Ripens with the Duchess and is at its best till October. Sturdy trees and heavy bearing. 3 to 4 ft., each \$1.00; 5 for \$4.50.

RED DUCHESS. This is much like the common Duchess but with a handsome red color, and of somewhat better quality. Early. 3 to 4 ft., each \$1.00; 5 for \$4.50.

ANOKA. The earliest bearing of all large apples. Begins to fruit the year after it is planted and bears regularly thereafter. Should be replaced every 5 to 10 years as it is not long lived. Fruit resembles the Duchess. Hardy under severe conditions. A production of Dr. N. E. Hansen. Each, 3 to 4 ft., \$1.00; 5 for \$4.50.

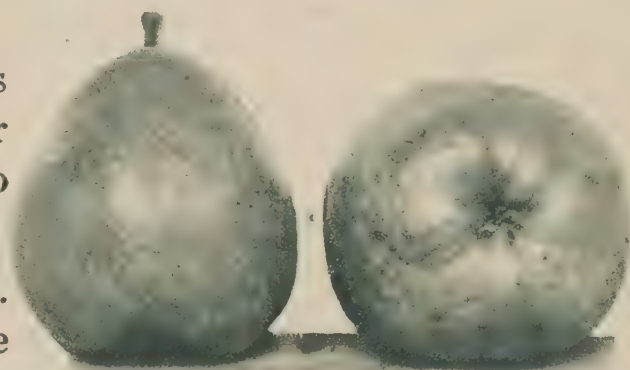
ERICKSON. This is one of the best apples of Russian origin. Exceptionally large in size, it is also of fine flavor. Season somewhat longer than that of Duchess, it is of a beautiful and uniform red color when fully ripe. Season Sept. to Nov. Price, 3 to 4 ft., each \$1.00; 5 for \$4.50.

WEALTHY. Keeps till January and is ready to use by October. A Minnesota variety which has become a universal favorite. Tree of good habit, hardy, blight resistant. Bears many large dark red apples with crisp, sub-acid white flesh tinged with pink. Not as hardy as some of the new sorts but safe over most of the Northwest. 3 to 4 ft., each, \$1.00; 5 for \$4.50.

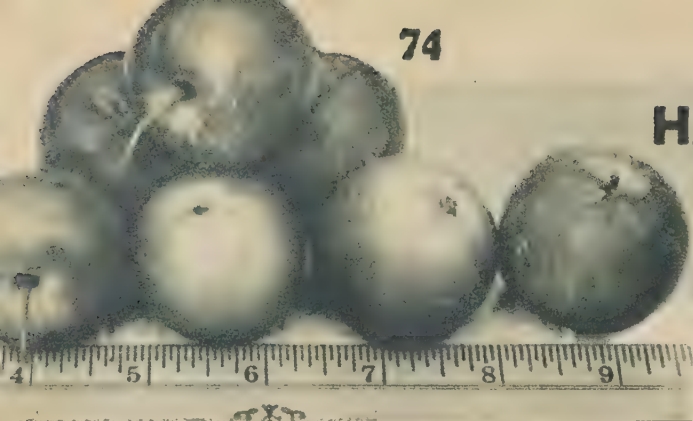
**Anoka****Wealthy****Red Duchess****HARDY PEARS**

PIONEER. This variety of Canadian origin is among the hardiest of the species. It is rather small but of excellent flavor. Hardy well into southern Manitoba. 3 to 4 ft., each, \$1.25.

TAIT DROPMORE. Another extra hardy pear. Small in size, of very good quality. Flavor may be a bit better than Pioneer. Each, 3 to 4 ft., \$1.25.



HARDY AND PROLIFIC CRAB APPLES



Red River

apple. Wonderful quality and flavor as an eating apple. A late large crab, round to oval; bright red skin, solid flesh of good color. A long keeper. 3 to 4 ft. Each, \$1.00; 5 for \$4.75.

SIBERIAN CRAB. Perhaps the hardiest of all crabs and an annual bearer. Sturdy handsome tree. A heavy yielder of small yellow fruits. 3 to 4 ft. Each, \$1.00; 5 for \$4.75.



Whitney

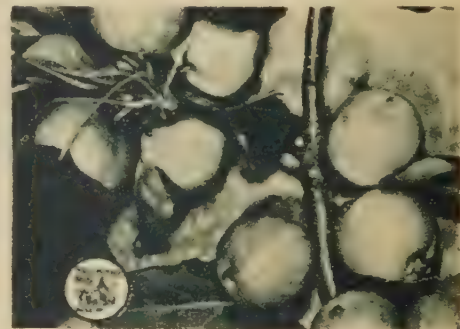
WHITNEY. One of the largest and best flavored crabs for eating from the hand. Matures late August and possesses nearly all the qualifications for a perfect crab. Bears rather lightly on the Great Plains except in a favorable year. A fine shaped, upright tree of great sturdiness. An excellent pie apple. 3 to 4 ft. Each, \$1.10; 5 for \$5.00.



Siberian Crab

FLORENCE. A Minnesota variety, which has proven particularly hardy in the Great Plains. A fine handsome tree with heavy crops of beautiful, round medium sized crab apples of very good flavor. 3 to 4 ft. Each, \$1.00; 5 for \$4.75.

TRAIL. A delicious fruit which is intermediate between the crabs and the large apples. A Canadian variety. 3 to 4 ft. Each, \$1.25.



Florence

DOLGO. Dr. N. E. Hansen's wonderful production. Outstanding for hardiness, for ornamental value and for fruit. A sturdy, upright tree. A heavy bearer. Fruit of a very bright red color, somewhat oval, medium in size. Matures in September. 3 to 4 ft. Each, \$1.00; 5 for \$4.50.

PYRUS BACCATA. Hardiest of all apples. Very valuable in shelter belts, as an ornamental, and as a food for game birds. The Siberian cherry apple. A handsome ornamental and useful as a root stock for more tender sorts. White to pink flowers in masses. Makes good jelly. 3 to 4 ft. Each, 60c; 5 for \$2.75. 2 to 3 ft. Each, 25c; 10, \$2.35.

ORNAMENTAL FLOWERING CRABS

These are all perfectly hardy and not even the famous Japanese Cherries of Washington, D. C., can equal them in their beauty, which persists throughout the season in fruit and foliage.

HOPA. Dark red flowers, fruit and foliage. From Dr. Hansen. 3 to 4 ft. Each \$1.10.

SCUGOG. A beautiful Canadian crab with very large bright red flowers and good-sized fruit with pink flesh. 3 to 4 ft. Each \$1.10.

RED FLESH. A hardy, light red flower with red flesh. 3 to 4 ft. Each \$1.10.

ALMEY. Pink flowers, reddish foliage, dark red fruits with red flesh. 3 to 4 ft. Each \$1.10.

Ornamental Crabs



CHERRIES and CHERRY HYBRIDS



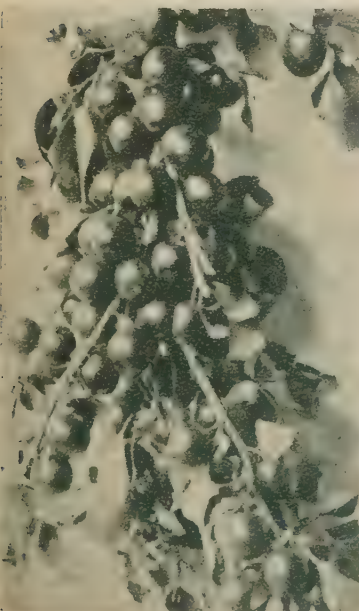
Chokecherry



Nanking Cherry



Brooks



Compass

SAND CHERRY (*Prunus besseyi*). The native bush cherry of the Great Plains. Fruit almost the size of a sour cherry, black and often very fine flavored. Always good in jam and jelly. A low bush, may be planted 3 to 4 ft. apart and will produce a tremendous quantity of fruit. 2 to 3 ft., each, 75c; 5 for \$3.50.

WESTERN CHOKECHERRY (*Prunus melanocarpa*). Larger and sweeter than the eastern chokecherry. A tremendous bearer. One of our very hardiest natives, useful as an ornamental, in shelter belts and for its fruit which makes perhaps the most delicious of all jellies and syrups. It is becoming more valued and appreciated yearly. 12 to 24 in., each, 50c; 10, \$4.50.

NANKING CHERRY. Drilea or Orient. A beautiful ornamental. A delicious fruit. We have a limited number of named variety selections, picked for yield and quality of fruit. 3 to 4 ft., each, \$1.00.

CHERRY HYBRIDS

CONVOY CHERRY. (See also page 1.) A new and superior Cherry from Manitoba. This hybrid has a tree habit, fruit is a clear bright red, large and most delicious. A handsome ornamental. Grown for us by the originator, W. J. Boughen. Very hardy. Price, each, \$2.00; 5 @ \$1.00.



Convoy Cherry

COMPASS. The oldest and best known of the sand cherry hybrids. Ripens late July or August. Fruit bright red when mature, nearly an inch long, oval, pleasant to eat fresh; unrivalled for sauce, jelly or jam. Hardy throughout the whole Northwest. 3 to 4 ft., each, \$1.00.

OKA. Another Hansen fruit. A fine large cherry, borne on a tree instead of a bush. Quite variable in performance, depending on local conditions. At its best it is perhaps the finest of the type. The fruit is very large for a cherry, a rich purple in color, skin thin, flesh red, delicious flavor. Fruit hangs to tree and cures there like a dried prune. 3 to 4 ft., each, \$1.25; 5 for \$6.00.

BROOKS. A sand cherry selection from the Canadian Experimental Station at Brooks, Alberta. Fruit large, flavor sweet. Outstanding. 18 to 24 in., each, \$1.20.

BLACK BEAUTY. Similar to Brooks, but a selection made by the late George Chipman of Winnipeg. Very hardy. 3 to 4 ft., \$1.20.

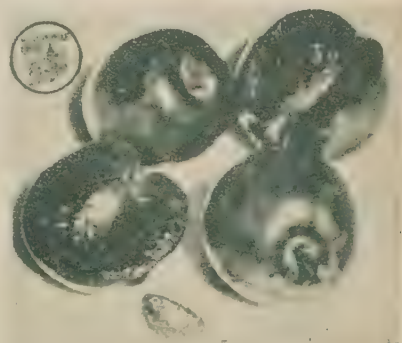
SIoux. One of Dr. N. E. Hansen's selections. Large, of fine quality and flavor, hardy. Each, 3 to 4 ft., \$1.20.



Sand Cherry



Oka



PLUMS and PLUM HYBRIDS

Plant Several Types Together or Plant with Cherries
to Insure Pollination



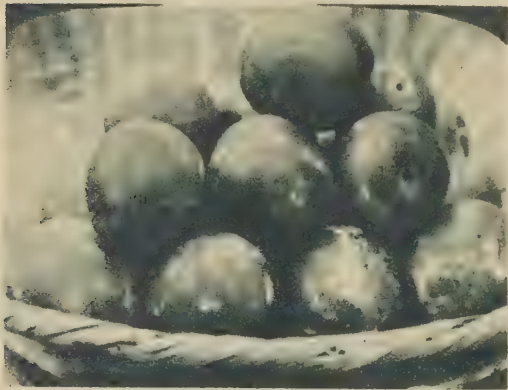
Wild Plum

WILD PLUM. This hardy native is rapidly acquiring popularity for its value as a shelter belt tree as well as an ornamental and a producer of fruit. We offer very thrifty stock from native seed. Wonderful for sauce, jam and jelly. 3 to 4 ft., each, 50c; 10, \$4.50.



Opata

OPATA. A cross between sandcherry and Gold Plum by Dr. N. E. Hansen. The most widely used of the Hansen Hybrids. Head low, trim out old wood as it bears on the new wood. A round fruit 1 to 1 1/2 in. in diameter, with green flesh. A very nice flavor and wonderful for canning. Ripens in early August. 3 to 4 ft. Price, each, \$1.00; 5 for \$4.50.



Underwood

TECUMSEH. Professor Patterson of the University of Saskatchewan Horticultural Dept. says, "It is a high class plum with considerable promise for the north." One of Dr. Hansen's productions. Very good at Mandan. 3 to 4 ft., each, \$1.00.

DURA. The Dominion authorities have so named the fine P-4A-18 Sapa seedling in recognition of its long lasting qualities after it is ripe. A beautiful fruit; bears tremendous crops of large mottled plums with rich dark purple flesh and very small pits. A week or more later than Sapa. Fruit hangs to the tree for a long time, and shrivels without spoiling. 3 to 4 ft., each, \$1.00.



Dura

SAPALTA. A new plum-cherry hybrid from Canada. Purple flesh, very sweet, larger than Compass and perfectly hardy. 2 to 3 ft., each, \$1.50.

GRENVILLE. A Canadian variety. Of high quality. Very hardy—very large. 3 to 4 ft., each, \$1.75.



Waneta

BOUNTY. A Canadian cross with prunus nigra blood. Large, quality good. Extremely hardy. 3 to 4 ft., each, \$1.00.

UNDERWOOD. Many of the Minnesota plums are not adapted to the Great Plains. Long trials of Underwood, however, have sufficed to prove its hardiness. In flavor it equals the Japanese plums, size is intermediate, trees strong and thrifty and bear annually. Fruit is dark red and sweet, ripens in late August, and is an excellent keeper. 3 to 4 ft., each, \$1.00; 5 for \$4.50.

SPLENDID. This fine plum, which we first tried at the recommendation of Mr. J. H. Gerbracht, and which he has grown for many years, is the best adapted to western Plains conditions of

any of the really high quality sorts. 3 to 4 ft., each, \$1.25.

WANETA. Apparently the hardest of the extra large size plums. The largest of Dr. Hansen's productions. A heavy bearer of very large, good quality fruit. Very drouth resistant. Ripens in midseason. The best large plum for the Great Plains. 3 to 4 ft., each, \$1.20.

HARDY APRICOT

MANCHURIAN. A very hardy North Asiatic apricot. Fruit about 1 inch long, stone small, flesh sweet and pleasing, parent of the hardest named varieties and pollenizes for them, but a useful fruit in itself. 3 to 4 ft., each, \$1.00.



Grenville

CHOICE SEED POTATOES

Prices subject to change. Write for our Blue Price List and Prices on Larger Lots

- IDAHO.** Earliest of all potatoes. Good cooking quality. F.O.B. here, 1 pk., \$1.00; ½ bu., \$1.75; bu., \$3.00.
- TRIUMPH.** An early, round red potato much sought in the south for winter growing. Uniform in size and shape and a very heavy yielder. F. O. B. here, pk., 90c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$4.10.
- WARBA.** A cross between Triumph and a Minnesota seedling. Round white, with pink eyes. Early and a very heavy yielder. Resistant to mosaic and hot, dry weather. Price F. O. B. here, 1 pk., 90c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$4.10.
- EARLY OHIO.** The old favorite. Stands more drouth and hot weather than any sort we know. F. O. B. here, pk., \$1.10; ½ bu., \$1.90; bu., \$3.00; 100 lbs., \$4.75.
- IRISH COBBLER.** A medium, late or main crop sort. Yields very heavily under good conditions. A round, flattened potato of large size with many to the hill. F. O. B. here, pk., 90c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$4.10.
- PONTIAC.** Write for prices.

POTATO EYES

We can furnish carefully cut eyes from any of the above varieties. These dry out in very dry weather quicker than larger pieces but otherwise are very satisfactory. They save considerable in transportation costs. Price, 100, postpaid, \$1.00; 1000, \$9.00. F.O.B. here, 1000, \$8.50.

SPRAYERS

- | | | | |
|---|---------|--|--------|
| 22GO Banner (4 gallon Steel Tank)..... | \$12.80 | No. 15S Spraymaster (3 quart)..... | \$2.20 |
| No. 14Q—Blizzard (1 qt. Copper Tank)..... | 4.25 | 20G Big Boy (Glass Jar Sprayer)..... | 1.00 |
| Smith Flame Gun..... | 24.00 | No. 36D Dustmaster (Glass Jar Duster)..... | 1.35 |

WEED KILLERS

NEW IMPROVED WEEDONE. Contains the powerful 2,4,5-T and 2,4-D, the two most effective chemicals for killing lawn weeds, poison ivy, poison oak, honeysuckle, wild blackberries, wild raspberries and over 90 other weeds and woody plants WITHOUT KILLING THE GRASS. Non-poisonous to animals or humans. Kills a greater variety of lawn weeds and woody plants than any products containing only one of these chemicals. Does not give off vapors that cause injury to flowers or ornamentals. Prevents re-sprouting of tree stumps. The only ALL-PURPOSE weed killer. Postpaid, 8 oz. can, \$1.00. F.O.B. Bismarck, 1 qt. can, \$2.75; 1 gal. can, \$6.95; 5 gal. can, \$25.00.

FOR FIELD USE ONLY

WEEDONE CONCENTRATE 48. An ethyl ester, contains 3 lbs., 2,4-D acid in the ethyl ester form per gallon of liquid. The strongest and most effective form on hand to kill plants. Use one to 4 pints per acre depending on how resistant the weeds are. In wheat and rye 1 to 2 pints is enough. F.O.B. here, 1 gal., \$7.90; 5 gal. can, @ \$7.68 per gal.; 54 gal. drum, @ \$7.40 per gal.

WEEDAR 64. An alkanolamine salt. Contains 4 lbs. 2,4-D acid in the amine salt form per gallon of liquid. Not quite as effective under unfavorable conditions but excellent against the ordinary weeds in grain fields and somewhat cheaper. Use in same quantities as the above preparation. F.O.B. here, 1 gal., \$7.25; 5 gal., @ \$7.00 per gal.; 54 gal. drum, @ \$6.60 per gal.

WEEDONE BRUSH KILLER 32. A combination of the powerful 2,4,5-T and 2,4-D. This concentrated butoxy ethanol ester formulation is highly effective in killing brush and weeds in parks, playgrounds, pastures, roadsides, waterways, and any wooded area. Kills a greater range of weeds and woody plants than either 2,4-D or 2,4,5-T spray used alone. No vapor injury to nearby susceptible crops. Prevents re-sprouting of stumps. 1 qt. can, \$4.00; 1 gal. can, \$9.25; 5 gal. drum, \$8.95 per gal.; 54 gal. drum, \$8.60 per gal.

DUPONT AMMATE WEED KILLER. (P.) A new very effective weed killer. Kills poison ivy, brush and trees as well as weeds, in fact all living plants. 2 lb. pkg., 75c; ppd., 90c; 6 lb., pkg., \$2.50.

KARMEX. A 2,4-D selective weed killer. Kills weeds and not grass. Tablet form to dissolve in water, 1 tablet to 2 quarts of water. 25 Tablet-bottle, \$1.00; 100 Tablet-bottle, \$3.40.

CRAB GRASS KILLER. Destroys Crab Grass in the lawn without hurting the lawn grass. Cleans up the unsightly weed grass completely. Price, 8 oz. bottle (makes 4 gals. of spray), 85c, F.O.B. here.

CLIPPER FANNING MILLS. The old reliable, all purpose cleaner. We can offer the No. 2-B Special size which comes equipped with a pulley and a sacking elevator. Order early. Price F.O.B. Bismarck, \$91.00, plus sales tax.

No. 27 CLIPPER. A large size cleaner with a grain capacity of 150 bu. per hour. With plain hopper and 6 screens. Each, \$276.00, plus sales tax.

CLIPPER AUTOMATIC SEED TREATER. F.O.B. here, \$67.50, plus sales tax.

PRUNING KNIFE. A high quality pruning knife imported from Denmark. Very best steel. Postpaid, \$2.20.

IDEAL HAND WEEDER. The old type weeder which we have always listed, under a new name. Each, 35c; postpaid, 40c.

FRUITONE. Stops pre-harvest fruit drop and dropping of flowers and leaves. Ppd., 2/5 oz. pkg., 30c.

ROOTONE. Stimulates root growth on cuttings and transplants as well as general plant growth. Postpaid, ¼ oz., 30c; 2 oz., \$1.05.

TRANSPLANTONE. Dissolve and water plant roots when they are set out, as well as later. Dip roots in before planting. Ppd., ½ oz., 30c; 3 oz., \$1.05.

DORMATONE. Keeps stored potatoes from sprouting. Postpaid, 12 oz. shaker (enough to treat 8½ bu.), \$1.10.

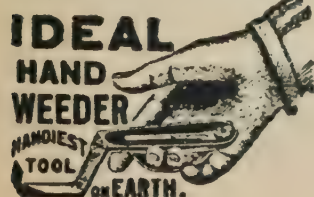
VITAMIN B1—GROWTH STIMULANT. To be dissolved in water and used indoors on house plants as well as on plants growing outside. B1 Tablets, pkg., 27c, postpaid.

TOMATO-TONE. Produces earlier, larger tomatoes, increases yield, many tomatoes seedless. ½ pt. bottle. \$1.80 Postpaid.

HORMEX. Hormone spray for orchards, gardens, and fields. Produces better fruit, bigger crops and reduces pre-harvest fruit drop. Garden size bottle. Postpaid \$1.00.



To broadcast Grain, Grass and Clover Seed. Also to Seed Onions and Rutabaga. Full instructions and directions on every machine. Price, postpaid, each, \$3.25; F. O. B. Bismarck, \$3.50.



Fertilizers for All Purposes

Prices Subject to Change Without Notice.

Experiments during the past few years have shown that phosphorus is the most needed element in most prairie soils.

The three necessary elements in plant growth which are not always present in the soil are nitrogen, which stimulates luxurious growth; phosphorus, which has a tendency to force bearing and hasten maturity, and potash which stimulates growth, delays maturity of grains and grasses but hastens maturity in root crops. For gardens, yards, lawns and small intensively cultivated areas the ready prepared fertilizers such as **Vigoro** and **Loma** are the most economical and convenient to use and the best adapted.



Analysis 4-12-4

Use 4 lbs. to 100 sq. ft. Price F.O.B. here: 100 lbs., \$5.00; 25 lbs., \$1.75; 10 lbs., 90c; 5 lbs., 50c; 1 lb., 12c.



Analysis 5-10-5

The quality plant food for lawns, flowers, shrubbery, vegetables. F.O.B. here: 100 lbs., \$4.50; 50 lbs., \$2.75; 25 lbs., \$1.75; 10 lbs., 85c; 5 lbs., 45c.

Hyponex is a clean, odorless, soluble powder which, with water, is a complete plant food.

It grows bigger and better plants in poorest soil, even in sand, cinders or water—indoors or outdoors. Assures larger and more flowers, increased quantities of vegetables, and more prolific growth for grass, plants, bushes and trees. 1 lb. makes 100 gallons; 1 oz. makes 6 gallons; 1 teaspoon makes 1 gallon. Postpaid: 1 oz., 13c; 3 oz., 30c; 7 oz., 55c; 1 lb., \$1.15; F.O.B. here: 10 lb. drum, \$8.00.



PULVERIZED SHEEP MANURE (a nitrate fertilizer). This is by far the most concentrated of the cheaper fertilizers and is adapted especially for garden and lawn use. Use from 5 to 10 lbs. per 100 square feet. Price F.O.B. Bismarck: 10 lbs., 40c; 25 lbs., 50c; 50 lbs., 70c; 100 lbs., \$1.25; 500 lbs., \$6.00; 1000 lbs., \$11.50; ton, \$22.00.

STEAMED BONE MEAL. 10 lbs., 75c; 100 lbs., \$6.00. F.O.B. Bismarck.

FORD NITROGEN PLANT FOOD. 10 lb. bag, 80c; 50 lb. bag, \$3.00. F.O.B. Bismarck.

SUPERPHOSPHATE. Phosphorus is said to be the element the most likely to be lacking in the prairie soils of the Northwest, and is not supplied in any form by applying vegetable matter by turning under or otherwise. Use one to two hundred pounds per acre. It may be broadcasted on. Price 20% formula, 10 lbs., 40c; 80 lbs., \$2.50. F.O.B. Bismarck.

ACTIVO. Activates soils, compost beds, makes rich fertilizer from leaves, grass, scraps, etc. No. 2 size \$1.00, No. 7 size \$2.00 prepaid.

Write for price on potash fertilizer and nitrate of soda.

NITRAGIN INOCULANT



Type "A," Alfalfa and Sweet Clover, 1 Bu. size, 50c; 2 1/2 Bu. size, \$1.00.

Type "B," Alsike, Red and other Clovers, 1 Bu. size, 50c; 2 1/2 Bu. size, \$1.00.

Type "C," Peas, Garden, Sweet, Field, 100 Lb. size, 50c.

Type "D," Field and Garden Beans, 1 Bu. size, 50c.

Type "L," Lespedeza, 100 Lb. size, 50c.

Type "S," Soy Beans, 120 Lb. size, 30c; 5 Bu. size, 50c; 25 Bu. size, \$2.25.

Add 7c
per pkg. for
postage

Garden Size for all Garden Legumes. Enough for 8 Lbs. Seed. Pkg. each, postpaid, 15c.

FOR TREATING SEED GRAIN, POTATOES, CORN, ETC.

New Imp. CERESAN

1/2 Oz. to Bu. For Grain.

For wheat, oats and barley smut control.

F. O. B. Bismarck, 4 oz., 45c; 1-lb. can, \$1.00; 4-lb. can, \$3.40; 40-lb. drum, \$28.75.

SEMESAN, BEL

1 Oz. to 5 Bu. Seed Potatoes. For Potatoes.

Offers greater control of seed potato diseases.

F. O. B. Bismarck, 2 oz., 50c; 1 lb., \$2.00; 4 lbs., \$6.33.

SEMESAN

For Garden and Flower Seeds and Bulbs. Price F.O.B. Bismarck, 1/3 oz. pkt., 20c; 2 oz., 60c; 12 oz., \$2.40. Postpaid 1/3 oz. pkt., 23c; 2 oz. pkt., 65c.

SPERGON

NON-POISONOUS—FOR TREATING CORN, ALFALFA, ETC. Also beans, peas, sorghum, flower and vegetable seed. F.O.B. here, 1 oz., 25c; 5 oz., \$1.00; 1 lb., \$2.25; 10 lbs., \$20.00; 50 lb. drum, \$93.80; 100 lb. drum, \$178.00.

MANAMAR FEEDS & OTHER FEED ITEMS

Please write for price list on our line of Pioneer Brand Manamar Feeds, Concentrates, Minerals, Oyster Shells, etc.

We can also quote on poultry founts, feeders, brooders, etc., upon request.

WRITE FOR PRICES ON: Garden Seeders & Cultivators; Hose, Lawn Sprinklers, Nozzles and Couplings

INSECTICIDES

Prices Subject to Change—Ask for Prices on Larger Lots. All Prices F.O.B. Bismarck Unless Otherwise Stated. All available. North Dakota customers must add 2% sales tax

NEUDUST—5% DDT dusting insecticide. Recommended for potato bugs, flea beetle, thrip, corn earworm and corn borer. 1-lb. sifter top can, postpaid 50c. F. O. B. Bismarck. 1-lb. can, 40c; 5-lb. bag, 85c.

DURADUST No. 50—50% Wettable DDT for spraying Barns and Livestock. Controls flies, mosquitoes, hornflies, stable flies, lice and many other insects. 1 lb. carton, 85c, postpaid; 4 lb. bag, \$1.75; 40 lb. bag, \$16.20. F. O. B. Bismarck, N. D.

CHLORDANE or TOXICHLOR—The best grasshopper destroyer yet discovered. Use as a spray, also controls onion maggots, cabbage maggots. 1 pt. makes 40 gal. spray solution. 1 pt., postpaid, \$2.00; 1 qt., \$3.30; 1 gal. Jug, \$8.95. F. O. B. Bismarck.

ACME—6% chlordane. Recommended for household and garden use to control ants, spiders, silverfish, cucumber beetle, asparagus beetle, grasshoppers, wire and cut worms. 1-lb. sifter top can, postpaid, 65c. F. O. B. Bismarck. 1 lb. can, 50c; 4 lb. bag, \$1.40.

TRI-6 (Benzene Hexochloride). A companion to DDT which is effective against Aphids, Red Spider and various pests in the soil. Price, 1 lb. can, 75c; 4 lb. bag, \$2.45, postpaid.

POSFUME-PARATHION—A new insecticide, controls many species of aphids, mites, also mealy bugs, leaf rollers, onion thrips and many other hard to kill insects. (Use with caution.) 1-lb. bag, postpaid, \$1.85.

CYANOOGAS ANT KILLER. 4-oz. can—enough to kill a million ants, 45c, postpaid.

CYANOOGAS A-DUST. A gas producing powder—kills all burrowing pests. F. O. B. here, 1 lb., 98c; 5 lbs., \$3.75.

CYANOOGAS G-FUMIGANT. For fumigating flour mills, grain warehouses and greenhouses. F.O.B. here, 5 lbs., \$3.75; 25 lbs., \$12.50; 100 lbs., \$30.00.

BLACK LEAF "40." For Aphids. A fine sheep dip, poultry roost paint against lice and general contact spray. Keeps dogs from shrubs and trees. Price, postpaid, 1 oz. bottle (makes 6 gallons), 40c. F. O. B. here, 1 oz. bottle, 35c; 5 oz. bottle, \$1.05.

BLACK LEAF ROTENONE DUST. Non-poisonous, contains 1% rotenone, 10% sulphur, an effective dust against, cabbage worms, cucumber beetles, and certain other garden insects, also controls cattle lice and fleas. 1-lb., postpaid, 46c. F. O. B. Bismarck, 1 lb., 35c; 4 lbs., \$1.25.

EMO-NIK. An oily spray especially good for red spider, but also against Aphids, Mealy Bug, Mildew, White Fly, Scale, etc. 4½ oz. bottle, postpaid, each, 50c; pt., 95c.

ENDOPEST—3-way control. All the protection most gardens need. Controls chewing and sucking insects, also many fungus diseases in one easy operation. 10 oz. applicator, \$1.00; 10-oz. Refill Cartridge, 80c; 4-oz. sifter can, 35c; 2-lb. can, \$2.00, postpaid.

ROTENONE GARDEN SPRAY (NNOR). Controls such insects as Aphid, red spider, potato bugs, thrip, cucumber beetle, bean beetle and rose slug. 1 oz. bottle, 45c; 6 oz. bottle, \$1.10, postpaid. F. O. B. Bismarck, 1 oz. bottle, 35c; 6 oz. bottle, \$1.00; pint bottle, \$2.15.

ROTENONE GARDEN GUARD. A non-poisonous dusting powder. Gives immediate control over many insects, including such hard-to-kill bugs as Squash Bugs and cucumber beetles. A light dusting in your vegetable and flower garden will bring quick results. Price, postpaid, 1 lb., 60c; F. O. B. here, 1 lb. 45c; 4 lbs., 90c.

GOPHER & GENERAL RODENT POISON. Extra strength poisoned oats for exterminating all sorts of rodents—gophers, rats, mice, prairie dogs, etc. F. O. B. here, 8 lb. sack, \$1.00; 16 lbs. sack, \$1.90; 32 lbs., \$3.75.

CARBOLA with D.D.T. A disinfecting white wash paint and dusting powder, for barns, coops, etc. Brush or spray on. Postpaid, 1 lb., 35c. F. O. B. here, 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25.

PRUNING PAINT. For all tree wounds, whatever the cause. Price, postpaid, qt. \$1.45. F. O. B. here, qt., \$1.20; gal., \$3.75.

CUT WORM AND HOPPER BAIT. Use chlordane as listed above.

TOMATO DUST. A combination remedy against both tomato blight and general insect damage. 1 lb. sifter carton, 65c postpaid.

BORDEAUX MIXTURE. Controls scab, rust, rot, blight, mildew, leaf spot, anthracnose and other fungus disease of fruit and truck crops. Price, postpaid, 1 lb. can, 55c. F. O. B. here, 1 lb. can, 40c; 4 lbs., 95c.

LIME SULPHUR. Very dependable dormant insecticide and fungicide. A repellent for rabbits when painted on young trees. Price, postpaid, 1 lb., 55c. F. O. B. here, 1 lb., 40c; 5 lbs., \$1.65.

DUSTING SULPHUR. For mildew on roses and other fungus diseases. Price, postpaid, 1 lb., 25c; 3 lbs., 65c. F. O. B. here, 1 lb., 20c; 3 lbs., 55c.

CROW REPELLENT—Crotex. A repellent which crows, blackbirds, moles, pheasants, larks, gophers and squirrels hate, hence will not touch treated seeds; is economical, costing about 10 cents per acre of planted ground, and is easy to use. This is the most effective of all crow repellents. ½ pt. (to treat 1 bu. seed), 70c postpaid; 60c F. O. B. here.

DOG REPELLENT—Dogzix. A spray, 3 oz. bottle. Use around base of evergreens, etc. Postpaid, 60c. F. O. B. here, 50c.

ANTU—NEW RAT EXTERMINATOR. One of the surprising new chemical developments. See magazine advertising. Small size, 40c, postpaid; F. O. B. here, 35c; large size \$1.10 postpaid; F. O. B. here, \$1.00.

RAT BAIT—Topzol. Not harmful to man and domestic animals. Red Squill Baits packed individually. Scent-proof. Price, postpaid, pkg., 17c. F. O. B. here, 15c.

SANASEED—Mouse Seed. Natural mouse feed. Very attractive to mice. Price, postpaid, pkg., 17c. F. O. B. here, 15c.

WHAT TO USE FOR INSECTS:

Ants—Cyanogas Ant Killer; DDT Dust.

Aphids—Black Leaf "40"; Garden Guard; TRI-6; Endopest; Posfume; NNOR.

Blister Beetles—Garden Guard; DDT Dust; Endopest; NNOR.

Caterpillars—Garden Guard; DDT Dust; Endopest.

Cut Worms—Chlordane.

Flea Beetles—DDT Dust; Garden Guard; Endopest; NNOR.

Grasshoppers—DDT Dust; Chlordane.

Leafhoppers—Garden Guard; Black Leaf "40"; Lime Sulphur; DDT Spray; Endopest.

Lice on plants, same as for Aphids. On Chickens—Louse Powder.

Mites—Same as for Aphids.

Potato Bugs—DDT Dust.

FOR FUNGUS & BLIGHT:

Bordeaux Mixture; Lime Sulphur; Dusting Sulphur.

FOR PLANT DISEASE:

Wheat Smut—New Improved Ceresan.

Corn Diseases—Semesan, Jr., Spergon.

Potato Diseases—Semesan Bel.

Garden and Flower Seeds—Bulbs—Semesan.

FOR RODENTS:

Gophers—Gopher Poison.

Mice—Sanaseed.

Rats—Topzol. Antu.

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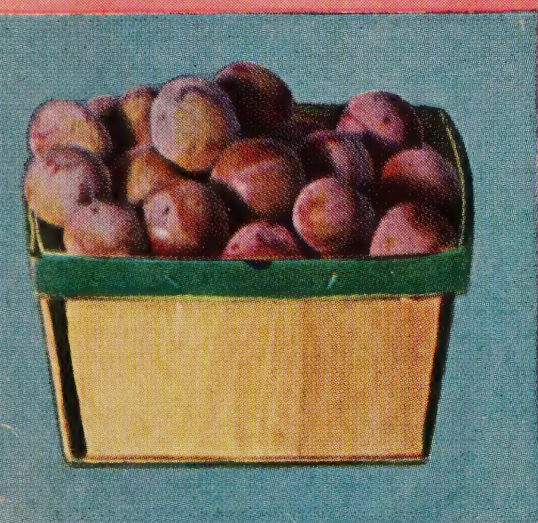
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